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U.S. NAVY SURFACE SHIP (NON-SUBMARINE)

AUTHORIZED CHEMICAL CLEANING PRODUCTS AND DISPENSING SYSTEMS CATALOG, REVISION 1

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FOREWORD

This catalog contains general guidance to the U.S. Navy Surface Fleet for cleaning products that are authorized by the Naval Sea Systems Command for use onboard U.S. Navy Surface Ships only. (Note: This catalog does not apply to U.S. Navy Submarines.) The catalog contains the following information: a list of authorized shipboard chemical cleaning products (concentrates and ready-to-use products) for general cleaning applications; precautions required for handling, stowage, and disposal of chemical cleaning products; containment requirements for chemical cleaning concentrates; and a list of authorized dispensing systems.

This publication consists of the following sections:

Chapter 1: General Information and Safety Precautions

Chapter 2: Authorized Cleaning Concentrates

Chapter 3: Authorized Dispensing Systems

Chapter 4: Authorized Ready-to-Use Cleaners

Chapter 5: Authorized Dishwashing & Oven Cleaners

Chapter 6: Authorized Miscellaneous Cleaners

Chapter 7: Authorized Hand Soaps/Cleaners

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1.0 GENERAL INFORMATION AND SAFETY PRECAUTIONS

This chapter provides general information regarding the "U.S. Navy Surface Ship Authorized Chemical Cleaning Products and Dispensing Systems Catalog" and provides general safety precautions. This chapter includes a brief explanation of the methodology used to determine the acceptability of the cleaning products for shipboard use (authorization for use process). The safety precautions listed are general in nature and are intended to supplement specific manufacturers' safety precautions, Material Safety Data Sheet (MSDS) recommendations, and product Warning Labels. (MSDS can be obtained from the Hazardous Material Information Resource System (HMIRS) website: http://www.dlis.dla.mil.hmirs/.) Each product listed in this catalog has been evaluated to determine proper handling and storage precautions. Precautions are identified in this catalogue by the use of a hazard symbol, as explained in this chapter. There are also brief discussions regarding required containment and enclosures for cleaning product dispensing systems. In addition, this chapter includes general guidance for obtaining price information for the cleaning products and dispensing systems.

1.1 Introduction

The intent of this catalog is to provide the following guidance to the Fleet:

- A list of cleaning concentrates and ready-to-use cleaning products authorized for use in general shipboard (surface ship only) applications. (These products were evaluated using information supplied by the manufacturers, based on environmental, health and safety (EHS) criteria. It was assumed that the information provided by the manufacturers was accurate and conformed to current market acceptability.)

- A list of authorized dispensing systems and associated products for each dispensing system

- Precautions required for handling, stowage, use, and disposal of chemical cleaning concentrates and diluted use concentrations.

1.2 Background

In order to determine what chemical cleaning products and dispensers would be authorized for use onboard U.S. Navy surface ships, an evaluation was conducted to: a) determine what types of shipboard cleaning products and dispensers are needed by Navy surface ships, b) formulate environmental, health and safety requirements necessary to protect Ship's Force, the ship systems and equipment, and the environment, c) identify candidate commercial cleaning products for consideration as possible authorized

products, and d) evaluate the candidate cleaning products against the environmental, safety and health requirements. This evaluation was conducted by the Naval Surface Warfare Center, Carderock Division, Philadelphia, PA under the direction of Naval Sea Systems Command, with Navy Environmental Health Center (NEHC) support.

The evaluation revealed that numerous military specifications and commercial item descriptions (CIDs) for cleaning products had been previously canceled. As a result, it was deemed necessary to create Technical Purchase Descriptions (TPDs) for twelve different categories of cleaners and one TPD for dispensing systems. The TPDs are needed to ensure environmental, health and safety requirements are considered by manufacturers of products for each cleaning category. TPD requirements include materials/composition, listings of prohibited material/chemicals, relative toxicity, aquatic toxicity, biodegradability, pH, regulatory requirements and cleaning or removal efficiency. The cleaning categories covered by the new TPDs are as follows:

- Food Contact Sanitizer Concentrates
- Food Contact Sanitizer/Cleaner Concentrates
- Non-Food Contact Disinfectant/Cleaner Concentrates
- General Purpose Heavy-Duty Cleaner Concentrates
- Heavy-Duty Cleaner Concentrate for Machinery and Bilge Cleaners
- Floor Finish Restorer Concentrates
- Floor Stripper Concentrates
- Glass Cleaners (Concentrates and Ready-to-Use)
- Chemical Cleaning Dispensing Systems
- Ready-to-Use General Purpose Cleaners
- Authorized Dishwashing Products
- Authorized Miscellaneous Cleaners
- Authorized Hand Cleaners

Manufacturers were solicited to obtain product information for cleaning products and dispensers. Information received from manufacturers included Material Safety Data Sheets, Product Data Sheets, supporting documentation related to biodegradability and aquatic toxicity requirements, cleaning test results, and product brochures and literature. The manufacturers' product information was evaluated against the requirements of the appropriate TPD. The evaluation was based on the understanding that the information provided by the manufacturers was accurate and conformed to current market acceptability per TPD requirements. The products and dispensing systems that complied with the requirements of the TPDs were then authorized for surface ship use and are included in this catalog.

1.3 Safety Precautions

The review and evaluation of numerous cleaning concentrates revealed that most concentrates were found to have the following intrinsic characteristics:

- Concentrates, in general, were found to have a high pH and to be highly corrosive in nature;
- Concentrates, in general, contain one or more components that were toxic or harmful to the aquatic environment;
- Concentrates, in general, were found have less hazardous properties to the environment and the user when diluted in accordance with the manufacturers' recommended dilution-ratio; and
- Some glass cleaner concentrates were found to require special shipboard stowage due to combustion properties (low flash point, i.e., <140° F)

CAUTION

It is recommended that all cleaning concentrates be disposed of as Used/Excess Hazardous Materials and handled by Ship's Force using chemical workers goggles (also a full-length face shield if splashing could be a problem) and rubber gloves. Consult the product MSDS for specific guidance.

1.4 Hazard Symbols

Each product listed in this catalog was evaluated to determine appropriate shipboard storage and disposal requirements. These requirements are identified by the use of hazard symbols. The hazard symbols will be indicated in the "Precautions" column (if applicable) of the cleaning product information in the following chapters. Requirements for storage and/or disposal corresponding to each hazard symbol are provided in the list below.

Hazard	Hazard Symbol	Storage and/or Disposal Required (*)
Acidic	"A"	Special stowage required.
Aquatic Toxicity	"AT"	Special disposal required.

Corrosive	"C"	Special stowage required.
Flammable	"F"	Special storage required.
Hazardous Material	"HM"	Special disposal required

(*) Shipboard stowage and disposal of products associated with the above hazard designation shall be performed in accordance with the policy and guidance provided in OPNAVINST 5090.1B (Appendix L) and OPNAVINST 5100.19 series. Additional management guidance is provided in NSTM 593 "Pollution Control."

1.5 Containment

Installation of containment provisions under/around dispensing systems is required to prevent concentrate spillage/leakage on deck surfaces. GSA Advantage provides "spill containment" equipment on their website: **www.gsaadvantage.gov/**. All containment equipment shall be obtained and installed upon installation of dispensing systems, prior to underway or deployment periods. Detailed spill control guidelines for cleaning products and concentrates are provided in the Hazardous Materials (HM) User's Guide (HMUG), OPNAV P-145-110-03.

1.6 Dispensing System Enclosures

In order to prevent pilferage of concentrates or tampering of the dispensing systems dilution settings, all dispensing systems shall have a lock and key or similar tamper-resistant mechanism. If the dispensing system is not originally designed with this feature, a dispensing system enclosure is required

1.7 Pricing Information

Pricing information for cleaning products and dispensing systems is not provided in this catalog. For most cleaning compounds, current pricing information is available on the GSA Advantage website: **www.gsaadvantage.gov/**. If this website access is unavailable, manufacturers' customer service numbers are provided in this catalog and should be used accordingly.

1.8 Website Access

An online version of this catalog is available on the GSA Advantage Website: **www.gsaadvantage.gov/** under Authorized Shipboard Cleaning Products and Dispensers. It is also available on the Navy Shipboard Environmental Information Clearinghouse (Navy SEIC) website: http://navyseic.dt.navy.mil.

1.9 Technical Purchase Descriptions

Technical Purchase Descriptions or reference copies of the TPDs listed in this catalog may be obtained from Naval Surface Warfare Center, Carderock Division, Philadelphia Naval Business Center, Building 1000, Code 635, 5001 S. Broad Street, Philadelphia, Pennsylvania, 19112-5083, attention Ms. Socha, or Ms. Cipriano (e-mail address - sochacm@nswccd.navy mil or ciprianob@nswccd.navy.mil). These TPDs may also be accessed on the Navy Shipboard Environmental Information Clearinghouse (NAVY SEIC) website: http://navyseic.dt.navy.mil.

1.10 Disposal

Shipboard handling, stowage, and disposal of cleaning products shall be performed as described by the applicable hazard symbol and in accordance with the policy and guidance provided in OPNAVINST 5090.1B (Appendix L) and OPNAVINST 5100.19 series. Additional management guidance is provided in Navy Standard Technical Manual (NSTM) 593 “Pollution Control” and also in the Hazardous Materials User’s Guide (HMUG), OPNAV P-145-110-03.

1.11 Ordering Directives

In accordance with Chief of Naval Operations (CNO N4) policy, as referenced in Naval message 131755Z JAN 03, all Navy ships and shore installations are required to fully implement the Consolidated Hazardous Material Reutilization and Inventory Management Program (CHRIMP). In support of CHRIMP, ordering excessive quantities of cleaning concentrates for a specific application is strongly discouraged. Excessive quantities of concentrates will impact the following areas:

- Increase in HAZMAT disposal costs (Unused concentrates are required to be disposed of as HAZMAT),
- Decrease in shipboard stowage areas available for vital equipment/material from an already limited supply

1.12 Changing from one Dispensing System to another Manufacturer's Dispensing System

If Ship's Force is anticipating a change from one dispensing system to another system, they are requested to deplete the existing stock of concentrate prior to the changeover to the "new" product. This will allow maximum utilization of available cleaning products. In addition, depleting the existing stock will minimize the disposal of any unused cleaning products during the dispensing system changeover.

AUTHORIZED CHEMICAL CLEANING CONCENTRATES

The evaluation of submitted cleaning products and dispensing systems against the TPD requirements resulted in the authorization of the chemical cleaning concentrates listed in this chapter for use on U.S. Navy surface ships. The chemical cleaning applications discussed in this chapter are as follows:

- Food Contact Surface Sanitizer Concentrates (No Cleaning Properties)
- Food Contact Surface Sanitizer Concentrates with Cleaning Properties
- Non-Food Contact Surface Disinfectant Cleaner Concentrates
- General Purpose Heavy-Duty Cleaner Concentrates
- Machinery and Bilge Cleaners
- Floor Finish Restorer Concentrates
- Floor Stripper Concentrates
- Glass Cleaner Concentrates

2.1 Food Contact Surface Sanitizer Concentrates (No Cleaning Properties)

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 2-1.

2.1.1 Product Description.

The cleaning products listed in this section are categorized as non-rinsing liquid or powder sanitizer concentrates only, containing quaternary ammonium compounds as the active ingredient. These sanitizing products have no cleaning properties. These sanitizers, when diluted in accordance with manufacturer's instructions, have been determined to effectively disinfect all **food contact surface types** and will kill 99.99 % of staph (Staphylococcus aureus), E-coli (Escherichia coli) and Salmonella.

2.1.2 Related Safety, Health, and Environmental Hazards

Due to the highly alkaline (caustic) nature and sanitizing properties of all sanitizer cleaners, the following precautions are required when handling sanitizer concentrates:

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with sanitizer concentrates. If contact is made, flush affected area with water. Wear chemical workers goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists, vapors, or dusts from these sanitizers. Keep containers closed when not in use. Prolonged and repeated exposure to sanitizer mists and vapors can irritate the nose, throat, or lungs.

- Use sanitizers only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- DO NOT re-use empty sanitizer concentrate containers for any purpose other than to hold used or excess sanitizer. Manual pump spray bottles containing diluted product may be re-used after thorough rinsing with water.

- **All sanitizer concentrates shall be disposed of as Used/Excess Hazardous Materials (HM)**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the sanitizer concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment shall be installed under the reservoir to prevent accidental spills from leaking on surrounding decks.

- All sanitizers shall be used in a single dispensing system whereby only one product is dispensed to avoid cross contamination. Sanitizers **shall not be used in multi-product** dispensing systems.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-1

Authorized Food Contact Surface Sanitizer Concentrates (No Cleaning Properties)

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
3M™ Commercial Care Division Customer Assistance: 1 (800) 3M-HELPS Web Site: www.3M.com/commcare	3M™ Sanitizer	70-0708-4016-3	7930-01-412-1036	6 - 2 L BT/case	HM	3M™ Twist 'n Fill™
AE USA (formerly Allied Enterprises) Customer Assistance: 1 (800) 604-4002 Web Site: www.aeusa.com	Mix Master Sanitizer 14	9309P-1422	7930-01-521-1695	4 - 1/2 GL/ case	HM	Leading Edge Mix Master
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	Coast Food Service Sanitizer	CN803-4	7930-01-521-4189	4 -1 GL/case	HM	Trigger spray bottle, bucket, etc.
	Coast Food Service Sanitizer	CN803-5	7930-01-521-4191	5 GL pail	HM	Trigger spray bottle, bucket, etc.
	Coast Food Service Sanitizer	CN803-32	7930-01-521-4192	12 - 1 QT BT/case	HM	Trigger spray bottle, bucket, etc.

Table 2-1

Authorized Food Contact Surface Sanitizer Concentrates (No Cleaning Properties)

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Oasis 144	14191	7930-01-379-5182	2.5 GL	HM	Oasis Ultra 1 Control Tower IV
Spartan Chemical Company, Inc. Customer Assistance: 1 (800) 537-8990 Web Site: www.spartanchemical.com	Sani-T-10	1210-04	7930-01-418-1520	4-1 GL/case	HM	Trigger spray bottle, bucket, etc.
	Sani-T-10	1210-05	7930-01-418-1521	5 GL pail	HM	Trigger spray bottle, bucket, etc.
	Sani-T-10	1210-55	7930-01-418-1523	55 GL drum	HM	Trigger spray bottle, bucket, etc.
Susquehanna Association for the Blind Customer Assistance: 1 (717) 291-5951 Web Site: www.sabvi.com	Sanitizer Quat 10	7930-0200-141	6840-01-505-8147	12 -16 oz BT/case	HM	Trigger spray bottle, bucket, etc.
	Sanitizer Quat 10	7930-0200-142	6840-01-505-8149	12- 32 oz BT/case	HM	Trigger spray bottle, bucket, etc.

Table 2-1

Authorized Food Contact Surface Sanitizer Concentrates (No Cleaning Properties)

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Susquehanna (cont'd)	Sanitizer Quat 10	7930-0200-143	6840-01-505-8151	4 –1 GL/case	HM	Trigger spray bottle, bucket, etc.
	Sanitizer Quat 10	7930-0200-144	6840-01-505-8153	5 GL	HM	Trigger spray bottle, bucket, etc.
	Sanitizer Quat 10	7930-0200-145	6840-01-505-8139	55 GL drum	HM	Trigger spray bottle, bucket, etc.

2.2 Food Contact Surface Sanitizer Concentrates with Cleaning Properties

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 2-2.

2.2.1 Product Description

The cleaning products listed in this section are categorized as non-rinsing liquid sanitizer-cleaner concentrates containing quaternary ammonium compounds as the active ingredient. These sanitizer/cleaners, when diluted in accordance with manufacturer's instructions, have been determined to effectively disinfect and clean all **food contact surface types** and will kill 99.99 % of Staph (Staphylococcus aureus), E-coli (Escherichia coli) and Salmonella.

2.2.2 Related Safety, Health, and Environmental Hazards

Due to the highly alkaline (caustic) nature and sanitizing properties of all disinfectant cleaners, the following precautions are required when handling sanitizer cleaner concentrates:

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with sanitizer cleaner concentrates. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing vapors or dusts from these sanitizers. Keep containers closed when not in use. Prolonged and repeated exposure to sanitizer vapors can irritate the nose, throat, or lungs.

- Use sanitizers only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- DO NOT re-use empty sanitizer containers for any purpose other than to hold used or excess sanitizer. Manual pump spray bottles containing diluted product may be re-used after thorough rinsing.

- **All sanitizer cleaner concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the sanitizer concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment shall be installed under the reservoir to prevent accidental spills from leaking on surrounding decks.

- All sanitizers shall be used in a single dispensing system whereby only one product is dispensed to avoid cross contamination. Sanitizers **shall not be used in multi-product** dispensing systems.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-2

Authorized Food Contact Surface Sanitizers with Cleaning Properties

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com *Check with manufacturer for dispensing system options	Sanitizer 512	1713103	6840-01-506-3518	1 GL	HM	Knight – single unit
	Sanitizer 512	17131034	6840-01-506-6429	4 - 1 GL/case	HM	Knight – single unit
	Sanitizer 512	1713107	6840-01-506-6431	5 GL pail*	HM	Trigger spray bottle, bucket, etc.
	Sanitizer 512	1713105	6840-01-506-6434	15 GL keg*	HM	Trigger spray bottle, bucket, etc.
	Sanitizer 512	1713101	6840-01-506-6436	55 GL drum*	HM	Trigger spray bottle, bucket, etc.
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Formula 362	17174	6840-01-505-8061	4 - 1 GL/case	C, HM	Trigger spray bottle, bucket, etc.
	Formula 362	106090	6840-01-506-1035	4 – 3 L/case	C, HM	“One Solution” Powerfill

1.3 Non-Food Contact Surface Disinfectant Cleaner Concentrates

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 2-3.

2.3.1 Product Description

The cleaning concentrates listed in this section are categorized as non-abrasive disinfectant cleaner concentrates containing quaternary ammonium compounds as the active ingredient. These cleaners are authorized to clean porcelain fixtures such as **urinals, water closets**, and **sinks** in ship washrooms, showers, and heads. They may also be used to clean the **decks** in these spaces. These disinfectant cleaners when diluted in accordance with the manufacturers' instructions will effectively kill the following bacteria and fungus: Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa, and Trichophyton mentagrophytes (athlete's foot)

2.3.2 Related Safety, Health, and Environmental Hazards

Due to the highly alkaline (caustic) nature and bactericide/fungicide properties of all disinfectant cleaners, the following precautions should be taken when handling disinfectant cleaner concentrates:

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with disinfectant cleaner concentrates. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists and vapors from disinfectant cleaner concentrates. Keep containers closed when not in use.

- Use disinfectant cleaner concentrates only as prescribed on the container label. Ensure the concentrate is diluted in accordance with manufacturers' directions.

- DO NOT re-use empty cleaner concentrate containers for any purpose other than to hold used or excess detergent. Manual pump spray bottles containing diluted product may be re-used after thorough rinsing.

- **All disinfectant cleaner concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the disinfectant cleaner concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment shall be installed under reservoir to prevent accidental spills from leaking on surrounding decks.

- All disinfectant cleaner concentrates shall be used in a single dispensing system whereby only one product is dispensed to avoid cross contamination. Disinfectant cleaner concentrates **shall not be used in multi-product** dispensing systems.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-3

Authorized Non-Food Contact Surface Disinfectant Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
3M™ Commercial Care Division Customer Assistance: 1 (800) 3M-HELPS Web Site: www.3M.com/commcare	3M™ Quat Disinfectant Cleaner 5L	70-0708-3993-4	7930-01-381-5981	6 - 2 L BT/case	F, HM	3M™ Twist 'n Fill™
	3M™ Quat Disinfectant Cleaner 5H	70-0708-3994-2	7930-01-381-5803	6 - 2 L BT/case	F, HM	3M™ Twist 'n Fill™
	3M™ Neutral Quat Disinfectant Cleaner 23H	70-0708-4022-1	6840-01-506-3721	6 - 2 L BT/case	HM	3M™ Twist 'n Fill™
	3M™ Neutral Quat Disinfectant Cleaner 23L	70-0710-0729-1	6840-01-506-3718	6 - 2 L BT/case	HM	3M™ Twist 'n Fill™
AE USA (formerly Allied Enterprises) Customer Assistance: 1 (800) 604-4002 Web Site: www.aeusa.com	Leading Edge Neutral Disinfectant	9P-0998	6840-01-506-3000	4 – 1/2 GL/ case	HM	Leading Edge Mix Master
	Leading Edge Neutral Disinfectant	9509H-1357-4	6840-01-506-3181	4 - 1 GL/case	HM	Trigger spray bottle, bucket, etc.
	Leading Edge Neutral Disinfectant	9509G-1357	6840-01-506-3183	5 GL	HM	Trigger spray bottle, bucket, etc.

Table 2-3

Authorized Non-Food Contact Disinfectant Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	LOD Neutral 32	1454993	6840-01-506-3527	1 GL	HM	Knight – single unit
	LOD Neutral 32	14549934	6840-01-506-3537	4 - 1 GL/case	HM	Knight – single unit
	LOD Neutral 32	1454997	6840-01-506-3532	5 GL pail *	HM	Trigger spray bottle, bucket, etc.
	LOD Neutral 32	1454995	6840-01-506-3522	15 GL keg*	HM	Trigger spray bottle, bucket, etc.
	LOD Neutral 128	1445053	6840-01-506-3513	1 GL	HM	Knight – single unit
	LOD Neutral 128	14450534	6840-01-506-6329	4 - 1 GL/case	HM	Knight – single unit
	LOD Neutral 128	1445057	6840-01-506-6347	5 GL pail *	HM	Trigger spray bottle, bucket, etc.
	LOD Neutral 128	1445055	6840-01-506-6361	15 GL keg *	HM	Trigger spray bottle, bucket, etc.
*Check with manufacturer for dispensing system options	LOD Neutral 256	1455093	6840-01-506-3508	1 GL	HM	Knight – single unit
	LOD Neutral 256	14550934	6840-01-506-6412	4 - 1 GL/case	HM	Knight – single unit
	LOD Neutral 256	1455097	6840-01-506-6387	5 GL pail*	HM	Trigger spray bottle, bucket, etc.

Table 2-3

Authorized Non-Food Contact Disinfectant Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch (cont'd)	LOD Neutral 256	1455095	6840-01-506-6382	15 GL keg*	HM	Trigger spray bottle, bucket, etc.
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	Coast Neutral Disinfectant Cleaner	CN800-4	7930-01-521-6601	4 - 1 GL/case	HM	Trigger spray bottle, bucket, etc.
	Coast Neutral Disinfectant Cleaner	CN800-5	7930-01-521-6605	5 GL pail	HM	Trigger spray bottle, bucket, etc.
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Mikro-Quat	13227	6840-00-201-2505	4 -1 GL/case	C, HM	Oasis Ultra 1 Control Tower IV
	Quik Fill A-33	62380195	6840-01-398-0974	2.5 GL	HM	Oasis Ultra 1 Control Tower IV
Johnson Wax Professional Customer Assistance: 1 (800) 558-2332 Web Site: www.johnsondiversey.com	Crew Restroom Floor and Surface Cleaner	4731	7930-01-508-3240	4 - 1 GL/case	HM	Trigger spray bottle, bucket, etc.
	Crew Restroom Floor and Surface Cleaner	4735	7930-01-508-3235	5 GL	HM	Trigger spray bottle, bucket, etc.
	Crew Restroom Floor and Surface Cleaner	4739	7930-01-508-3236	2 - 2.5 L/case	HM	J-Fill

Table 2-3

Authorized Non-Food Contact Disinfectant Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Citra Cide	145401	7930-01-508-3710	1 GL	HM	Maintex dispensing systems
	Citra Cide	145404	7930-01-412-1015	4 - 1 GL/box	HM	Maintex dispensing systems
	Citra Cide	145405	7930-01-412-1016	5 GL pail	HM	Trigger spray bottle, bucket, etc.
Orison Marketing, L.L.C. Customer Assistance: 1 (800) 460-2403 Web Site: www.orisonllc.com	Expel Detergent Disinfectant	ED-32	7930-01-508-2115	6 QT/case	C, HM	Manual Spray Bottle
	Expel Detergent Disinfectant	ED-4	7930-01-508-2739	4 – 1 GL/case	C, HM	DEMA Blend
	Expel Detergent Disinfectant	ED-5	7930-01-508-2737	5 GL carboy	C, HM	DEMA Blend
	Expel Detergent Disinfectant	ED-55	7930-01-508-2734	55 GL drum	C, HM	Manual Spray Bottle
South Texas Environmental Products Customer Assistance: 1 (512) 858-7224 Email address: step@onr.com Website: None	Ultra Q-128	5070-1	6840-01-521-4923	4 – 1 GL/case	HM	Accudose, DEMA, or Knight
	Ultra Q-128	5070-4	6840-01-521-4928	5 GL pail	HM	Accudose, DEMA, or Knight
	Ultra Q-128	5070-6	6840-01-521-4930	55 GL drum	HM	Accudose

Table 2-3

Authorized Non-Food Contact Disinfectant Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
South Texas Environmental Products (cont'd)	Ultra-Septic 885	5065-1	6840-01-521-4942	4-1 GL/case	HM	Accudose, DEMA, or Knight.
	Ultra-Septic 885	5065-4	6840-01-521-4948	5 GL pail	HM	Accudose, DEMA, or Knight
Spartan Chemical Company, Inc. Customer Assistance: 1 (800) 537-8990 Web Site: www.spartanchemical.com	Neutral Disinfectant Cleaner	3502-4	7930-01-521-9188	4 – 1 GL/case	HM	Trigger spray bottle, bucket, etc.
	Neutral Disinfectant Cleaner	3502-5	7930-01-521-9189	5 GL pail	HM	Trigger spray bottle, bucket, etc.
	Neutral Disinfectant Cleaner	3502-55	7930-01-521-9190	55 GL drum	HM	Trigger spray bottle, bucket, etc.

1.4 General Purpose Heavy-Duty Cleaner Concentrates

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 2-4.

2.4.1 Product Description

The cleaning concentrates listed in this section are categorized as general purpose, heavy-duty liquid concentrated cleaners suitable for removing heavy soils from hard surfaces, walls, painted surfaces, linoleum, asphalt, rubber, vinyl tile flooring, and other washable surfaces. These cleaners are suitable for manual cleaning or for use in automatic scrubbing machines.

2.4.2 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with detergent concentrate. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists and vapors from these concentrates.

- Use concentrated detergents only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All general purpose heavy duty concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment shall be installed under the reservoir to prevent accidental spills from leaking on surrounding decks.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
1st EnviroSafety, Inc. Customer Assistance: 1-888-578-9600 Web Site: www.1stenvirosafety.com	Organic Cleaner / Degreaser	67128	6850-01-505-7711	4 -1 GL/case	HM	Mop and Bucket
	Organic Cleaner / Degreaser	67640	6850-01-507-7912	5 GL CN	HM	Mop and Bucket
	Organic Cleaner / Degreaser	67030	6850-01-505-7706	1-30 GL Drum	HM	Mop and Bucket
	Organic Cleaner / Degreaser	67055	6850-01-505-7710	55 GL Drum	HM	Mop and Bucket
3M™ Commercial Care Division Customer Assistance: 1 (800) 3M-HELPS Web Site: www.3M.com/commcare	3M™ General Purpose Cleaner Concentrate 8L	70-0708-3998-3	7930-01-381-6001	6 - 2 L BT/case	F, HM	3M™ Twist 'n Fill™
	3M™ General Purpose Cleaner Concentrate 8H	70-0708-4008-0	7930-01-381-5834	6 - 2 L BT/case	F, HM	3M™ Twist 'n Fill™
	3M™ Food Service Degreaser 7L	70-0708-3996-7	7930-01-381-5871	6 - 2 L BT/case	C, AT, HM	3M™ Twist 'n Fill™
	3M™ Food Service Degreaser 7H	70-0708-3997-5	7930-01-381-5936	6 - 2 L BT/case	C, AT, HM	3M™ Twist 'n Fill™
	3M™ Heavy-duty Multi-surface Cleaner Concentrate	70-0708-3990-0	7930-01-381-5997	6 - 2 L BT/case	C, AT, HM	3M™ Twist 'n Fill™

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
AE USA (formerly Allied Enterprises) Customer Assistance: 1 (800) 604-4002 Web Site: www.aeusa.com	Leading Edge Degreaser and Hard Surface Cleaner	9P-1003	6840-01-506-3002	4 -1/2 GL/case	C, AT, HM	Leading Edge Mix Master
	Leading Edge Degreaser and Hard Surface Cleaner	9109H-1359-4	6850-01-506-3178	4 -1 GL/case	C, AT, HM	Trigger spray bottle, mop and bucket, etc.
	Leading Edge Degreaser and Hard Surface Cleaner	9109G-1359	6850-01-506-3185	5 GL	C, AT, HM	Trigger spray bottle, mop and bucket, etc.
	Leading Edge HD Emulsifying Detergent	9109P-1001	7930-01-508-2125	4 -1/2 GL/case	C, AT, HM	Leading Edge Mix Master
	Leading Edge HD Emulsifying Detergent	9109H-1360-4	7930-01-508-2123	4 -1 GL/case	C, AT, HM	Trigger spray bottle, mop and bucket, etc
	Leading Edge H D Emulsifying Detergent	9109G-1360	7930-01-508-2120	5 GL	C, AT, HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
American Cleaning Solutions Customer Assistance: 1 (866) 883-3562 Web Site: www.americancleaning.com	TUFF JOB	TJ-00501	7930-01-336-7197	6 - 1 GL/case	C, HM	Trigger spray bottle, mop and bucket, etc.
	TUFF JOB	TJ-00505	7930-01-336-7198	5 GL pail	C, HM	Trigger spray bottle, mop and bucket, etc.
	TUFF JOB	TJ-00555	7930-01-319-5373	55 GL drum	C, HM	Trigger spray bottle, mop and bucket, etc.
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	Blaze Off	60605083	6850-01-506-5087	1 GL	C, HM	Knight Mixing station
	Blaze Off	606050834	6840-01-506-3505	4 -1 GL/case	C, HM	Knight Mixing station
	Blaze Off	60605087	6850-01-506-6326	5 GL pail*	C, HM	Trigger spray bottle, mop and bucket, etc.
	Blaze Off	60605085	6850-01-506-6323	15 GL keg*	C, HM	Trigger spray bottle, mop and bucket, etc.
	H2Orange It All	1276554	7930-01-508-2135	1 QT	HM	Trigger spray bottle, mop and bucket, etc
	H2Orange It All	127655	7930-01-508-2129	12 - 1 QT/case	HM	Trigger spray bottle, mop and bucket, etc

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch (cont'd)	H2Orange It All	1276553	7930-01-508-2132	1 GL	HM	Knight Mixing station
	H2Orange It All	12765534	7930-01-508-3238	4 - 1 GL/case	HM	Knight Mixing station
	H2Orange It All	1276557	7930-01-508-2134	5 GL pail*	HM	Trigger spray bottle, mop and bucket, etc.
	H2Orange It All	1276555	7930-01-508-2127	15 GL keg*	HM	Trigger spray bottle, mop and bucket, etc.
	MPC Multi-purpose Cleaner	1517513	7930-01-508-2131	1 GL	AT, HM	Knight Mixing station
	MPC Multi-purpose Cleaner	15175134	7930-01-508-3126	4 - 1 GL/case	AT, HM	Knight Mixing station
	MPC Multi-purpose Cleaner	1517517	7930-01-508-2136	5 GL pail*	AT, HM	Trigger spray bottle, mop and bucket, etc.
	MPC Multi-purpose Cleaner	1517515	7930-01-508-2133	15 GL keg*	AT, HM	Trigger spray bottle, mop and bucket, etc.
	Unmistakable Green	1770503	7930-01-508-2747	1 GL	AT, HM	Knight Mixing station

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch (cont'd)	Unmistakable Green	17705034	7930-01-508-3226	4 - 1 GL/case	AT, HM	Knight Mixing station
	Unmistakable Green	1770507	7930-01-508-3233	5 GL pail*	AT, HM	Trigger spray bottle, mop and bucket, etc.
	Unmistakable Green	1770505	7930-01-508-3222	15 GL keg*	AT, HM	Trigger spray bottle, mop and bucket, etc.
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Marine/Navy Cleaner	MA0304-4G	7930-01-521-3731	4 – 1 GL/case	C, AT, HM	DEMA Blend
	Marine/Navy Cleaner	MA0304-6G	7930-01-521-3732	6 GL pail	C, AT, HM	DEMA Blend
	Marine/Navy Cleaner	MA0304-30G	7930-01-521-3739	30 GL drum	C, AT, HM	DEMA Blend
	Marine/Navy Cleaner	MA0304-55G	7930-01-521-1686	55 GL drum	C, AT, HM	DEMA Blend
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	Orange Muscle Plus	FLORGP-4	6850-01-522-4917	4-1 GL/case	HM	Trigger spray bottle, mop and bucket, etc.
	Orange Muscle Plus	FLORGP-5	6850-01-522-4918	5 GL pail	HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Coast Products, (cont'd)	Orange Muscle Plus	FLORGP-55	6850-01-522-6797	55 GL drum	HM	Trigger spray bottle, mop and bucket, etc.
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Oasis 136	10707	7930-01-398-0955	2.5 GL	C, F, AT, HM	Select Four Control Tower IV Oasis Ultra 1
	Oasis 136	10732	7930-01-436-7943	15 GL	C, F, AT, HM	Trigger spray bottle, mop and bucket, etc.
	Quik Fill 560	62380278	7930-01-418-1448	2.5 GL	HM	Select Four Control Tower IV Oasis Ultra 1
	Quik Fill 905	62380925	7930-01-418-1401	2.5 GL	HM	Select Four Control Tower IV Oasis Ultra 1
	Quik Fill 905	61508024	7930-01-418-1417	2-2 Li/case	HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
ELSCO International Customer Assistance: 1 (888) 84-ELSCO Web Site: www.elscointl.com	Super Blast Off	SB-3	7930-01-363-2818	6 - 1 GL/case	HM	Trigger spray bottle, mop and bucket, etc.
	Super Blast Off	B-2	7930-01-364-7376	5 GL pail	HM	Trigger spray bottle, mop and bucket, etc.
	Super Blast Off	B-32	7930-01-381-3398	12 - 32 oz/case	HM	Trigger spray bottle, mop and bucket, etc.
	Super Blast Off	B-22	7930-01-363-2819	12 - 22 OZ/case	HM	Trigger spray bottle, mop and bucket, etc.
Fine Organics Corp. Customer Assistance: 1 (800) 526-7480 Web Site: www.fineorganicscorp.com	Envirosolv 650M®	Envirosolv 650M® 31750C	6850-01-506-2515	4 - 1 GL/case	AT, HM	Trigger spray bottle, mop and bucket, etc.
	Envirosolv 650M®	Envirosolv 650M® 31707P	6850-01-506-2511	5 GL	AT, HM	Trigger spray bottle, mop and bucket, etc.
	Envirosolv 650M®	Envirosolv 650M® 31719D	7930-01-508-3234	55 GL drum	AT, HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Johnson Wax Professional Customer Assistance: 1 (800) 558-2332 Web Site: www.johnsondiversey.com	Stride Citrus Neutral Cleaner	4716	7930-01-508-3232	2 - 2.5 L/case	HM	J-Fill
	Stride Citrus Neutral Cleaner	3909	7930-01-397-2710	6 - 32 oz BT/case	HM	Trigger spray bottle, mop and bucket, etc.
	Stride Citrus Neutral Cleaner	3904	7930-01-508-3223	4 – 1 GL/case	HM	Trigger spray bottle, mop and bucket, etc.
	Stride Citrus Neutral Cleaner	3906	7930-01-508-3225	5 GL	HM	Trigger spray bottle, mop and bucket, etc.
Magnolia Marketing Customer Assistance: 1 (610) 436-6054 Web Site: www.magnoliamarketing group.com	SS-2000 Industrial Strength Cleaner/ Degreaser	7841	7930-01-508-3228	4 - 1 GL/case	C, AT, HM	KP1H Mixing Center
	SS-2000 Industrial Strength Cleaner/ Degreaser	7815	7930-01-508-3221	5 GL pail	C, AT, HM	KP1H Mixing Center

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Magnolia Marketing (cont'd)	SS-2000 Industrial Strength Cleaner/ Degreaser	7855	7930-01-508-3224	55 GL drum	C, AT, HM	Trigger spray bottle, mop and bucket, etc.
	Enviro-Kleen	2541	7930-01-508-3239	4 – 1 GL/case	C, AT, HM	KP1H Mixing Center
	Enviro-Kleen	2515	7930-01-508-3237	5 GL pail	C, AT, HM	KP1H Mixing Center
	Enviro Kleen	2555	7930-01-508-3242	55 GL drum	C, AT, HM	Trigger spray bottle, mop and bucket, etc.
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Safe Blue	114301	6850-01-505-6655	1 GL	C, AT, HM	Maintex dispensing system
	Safe Blue	114304	7930-01-412-1018	4 - 1 GL/case	C, AT, HM	Maintex dispensing system
	Safe Blue	1143051	6850-01-505-7970	5 GL pail	C, AT, HM	Trigger spray bottle, mop and bucket, etc.
	Safe D'Orange	162632	6850-01-505-7960	12 - 1 QT/case	AT, HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Maintex (cont'd)	Safe D'Orange	162601	6850-01-505-6657	1 GL	AT, HM	Maintex dispensing system
	Safe D'Orange	162604	7930-01-398-0882	4 - 1 GL/case	AT, HM	Maintex dispensing system
	Safe D'Orange	162605	6850-LL-H59-3384	5 GL pail	AT, HM	Trigger spray bottle, mop and bucket, etc.
	Safe D'Orange	1626055	7930-01-398-0885	55 GL drum	AT, HM	Trigger spray bottle, mop and bucket, etc.
	Shower, Tub & Tile	115732	7930-01-398-0854	12 - 1 QT/case	A, HM	Trigger spray bottle, mop and bucket, etc.
	Shower, Tub & Tile	115701	7930-01-508-2109	1 GL	A, HM	Maintex dispensing system.
	Shower, Tub & Tile	115704	7930-01-398-0855	4 - 1 GL/case	A, HM	Maintex dispensing system
	Shower, Tub & Tile	115705	7930-01-398-0856	5 GL pail	A, HM	Maintex dispensing system

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
MAK Products Customer Assistance 1 (800) 625-6869 Web Site: www.makenvironmental. com	ECO-MARINE Heavy Equipment and Machine Cleaner/ Degreaser	ECOMAR GL	7930-01-508-2110	1 GL	HM	DEMA Blend Safe
	ECO-MARINE Heavy Equipment and Machine Cleaner/ Degreaser	ECOMAR PL	7930-01-508-2121	5 GL	HM	DEMA Blend Safe
	ECO-100 General Purpose Cleaner Concentrate	ECO100GL	7930-01-508-2112	1 GL	HM	DEMA Blend Safe
	ECO-100 General Purpose Cleaner Concentrate	ECO100PL	7930-01-508-2108	5 GL	HM	DEMA Blend Safe

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Native American Sales, NA., LLC Customer Assistance 1 (256) 851-2281 Web Site: www.native-american-sales.com	Native Pride Universal Cleaner	77003012	7930-01-521-9180	12- 1 QT/case	HM	Trigger spray bottle, mop and bucket, etc
	Native Pride Universal Cleaner	77004001	7930-01-521-9178	4 – 1 GL/case	HM	Trigger spray bottle, mop and bucket, etc
	Native Pride Universal Cleaner	77005001	7930-01-521-9183	5 GL pail	HM	Trigger spray bottle, mop and bucket, etc
	Native Pride Universal Cleaner	77030001	7930-01-521-9185	30 GL drum	HM	Trigger spray bottle, mop and bucket, etc
	Native Pride Universal Cleaner	77055001	7930-01-521-9187	55 GL drum	HM	Trigger spray bottle, mop and bucket, etc
Orison Marketing, L.L.C. Customer Assistance: 1 (800) 460-2403 Web Site: www.orisonllc.com	VPW SC-1000	VPW SC-1000-1	6850-01-505-7202	4 - 1 GL/case	HM	DEMA Blend
	VPW SC-1000	VPW SC-1000-5s	6850-01-474-1273	5 GL carboy	HM	DEMA Blend
	VPW SC-1000	VPW SC-1000-55	6850-01-474-1311	55 GL drum	HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Orloff Corp./Computer Bath Customer Assistance: 1 (714) 754-6461 Web Site: www.computerbath.com	Absolutely Clean	ABCC-200	6850-01-505-7166	1 GL	HM	KP1H Mixing Center
	Absolutely Clean	ABCC-205	6850-01-505-7693	5 GL	HM	KP1H Mixing Center
	Absolutely Clean	ABCC-255	6850-01-505-7692	55 GL drum	HM	Trigger spray bottle, mop and bucket, etc.
Quick 'n Brite Customer Assistance: 1 (425) 778-8285 Web Site: www.quicknbrite.com	Quick 'n Brite	QB-165-001-A	7930-01-442-5900	55 GL drum	HM	Accudose
	Quick 'n Brite	QB-255-001-A	7930-01-442-5898	6 - 1 GL/case	HM	Accudose
	Quick 'n Brite	QB-160-001-A	7930-01-442-5899	5 GL	HM	Accudose
Sierra Technologies (formerly SOQ Environmental) Customer Assistance: 1 (480) 966-2892 Web Site: www.soqenvironmental. com	Ecomate MPC	MPC-4	7930-01-398-0934	4 – 1 GL/case	C, HM	Trigger spray bottle, mop and bucket, etc.
	Ecomate MPC	MPC-5	7930-01-398-0935	5 GL	C, HM	SOQ Multiblend
	Ecomate MPC	MPC-15	7930-01-468-4419	15 GL	C, HM	SOQ Multiblend

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
South Texas Environmental Products Customer Assistance: 1 (512) 858-7224 Email address: step@onr.com Website: None	Heavy Duty Multipurpose Cleaner	5050-1	7930-01-521-7614	4 – 1 GL/case	HM	Accudose, DEMA, or Knight
	Heavy Duty Multipurpose Cleaner	5050-4	7930-01-521-7593	5 GL pail	HM	Accudose, DEMA, or Knight
	Degreaser & Super Heavy Duty Cleaner	5013-1	6850-01-521-4937	4 – 1 GL/case	C, HM	Accudose, DEMA, or Knight
	Degreaser & Super Heavy Duty Cleaner	5013-4	6850-01-421-4939	5 GL pail	C, HM	Accudose, DEMA, or Knight
Spartan Chemical Company, Inc Customer Assistance: 1 (800) 537-8990 Web Site: www.spartanchemical.com	Green Solutions Industrial Cleaner	3506-4	7930-01-521-9179	4 – 1 GL/case	HM	Trigger spray bottle, mop and bucket, etc.
	Green Solutions Industrial Cleaner	3506-5	7930-01-521-9184	5 GL pail	HM	Trigger spray bottle, mop and bucket, etc.
	Green Solutions Industrial Cleaner	3506-55	7930-01-521-9186	55 GL drum	HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com **State Industrial Products (cont'd)**	No Issue	20825	7930-01-508-2738	6 - 1 GL/case	C, HM	Trigger spray bottle, mop and bucket, etc.
	No Issue	106088	7930-01-508-6091	4 -3 L/case	C, HM	"One Solution" Powerfill
	No Issue	20823	7930-01-508-2733	20 GL drum	C, HM	Trigger spray bottle, mop and bucket, etc.
	No Issue	20821	7930-01-508-3712	55 GL drum	C, HM	Trigger spray bottle, mop and bucket, etc.
Sun Brite Corporation Customer Assistance: 1 (800) 458-5636 Web Site: www.sunbrite.biz/online/default.htm	Sun Brite Cleaner	SB-1PT	7930-01-508-2736	1 PT	HM	Trigger spray bottle, mop and bucket, etc.
	Sun Brite Cleaner	SB - CASE	7930-01-508-2743	24 - 1 PT/case	HM	Trigger spray bottle, mop and bucket, etc.
	Sun Brite Cleaner	SB – 1GAL	7930-01-508-3701	1 GL	HM	Trigger spray bottle, mop and bucket, etc.
	Sun Brite Cleaner	SB – 4.25gal	7930-01-508-3707	4.25 GL bucket	HM	Trigger spray bottle, mop and bucket, etc.

Table 2-4

General Purpose Heavy-Duty Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Werth Sanitary Supply Co., Inc. Customer Assistance: 1 (619) 562-2555 Web Site: www.werthsanitary.com	Orange Peel	1101060	7930-01-441-2133	4-1 GL/case	C, HM	Hydro Accudose
	Orange Peel	1101061	7930-01-440-7612	5 GL pail	C, HM	Hydro Accudose
	Orange Peel	1101063	7930-01-441-0195	55 GL drum	C, HM	Hydro Accudose
	Adios Concentrate	1100221	7930-01-521-4947	12-1 QT BT/case	C, HM	Trigger spray bottle, mop and bucket, etc.
	Adios Concentrate	1100222	7930-01-399-2723	4 –1 GL BT/case	C, HM	Hydro Accudose
	Adios Concentrate	1100230	7930-01-399-2725	5 GL pail	C, HM	Hydro Accudose
	Adios Concentrate	1100235	7930-01-399-2730	55 GL drum	C, HM	Hydro Accudose

1.5 Heavy-Duty Cleaner Concentrates for Machinery and Bilges

Products determined to comply with this product description and authorized for use on Navy surface ships are included in the following Tables 2-5 and 2-6.

2.5.1 Product Description

The cleaning concentrates listed in this section are categorized as Heavy-Duty Cleaner Concentrates intended for use on machinery and in bilge areas. All expended cleaning compound solutions used for this application are processed for overboard discharge through the shipboard oil/water separators. Some cleaning agents produce stable emulsions that prevent the proper operation of the oil/water separators and are therefore prohibited in this application . Only two cleaning compounds for machinery and bilge areas tested to date have proven to be compatible with the oil/water separators (these products are provided in Table 2-5). For future authorization of "proposed" cleaning concentrates for this application, test and evaluation studies shall be required to determine compatibility Navy oil/water separators. Authorized cleaners are water-based, non-toxic, biodegradable, and alkaline. These cleaners remove grease, oil, dirt, and wax from machinery and bilge areas. The cleaners are intended for use on most metal surfaces (including aluminum, brass, cadmium, copper, steel, magnesium, and stainless steel). Additionally, these cleaners can be used on painted and other finishes, glass, upholstery, plastic, and tires.

2.5.2 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with detergent concentrate. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists and vapors from these concentrates.

- Use concentrated detergents only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All machinery and bilge cleaning concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system**.

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment shall be installed under the reservoir to prevent accidental pills from leaking on surrounding decks.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-5

Authorized Heavy-Duty Cleaner Concentrates for Machinery and Bilges

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
AE USA (formerly Allied Enterprises) Customer Assistance: 1 (800) 604-4002 Web Site: www.aeusa.com	Formula P-98	9I154	6850-01-278-3859	10 packets/ box	HM	Trigger spray bottle, bucket, etc.
	Formula P-98	9G154	6850-01-278-4421	5 GL	HM	Trigger spray bottle, bucket, etc.
	Formula P-98	9A154	6850-01-278-4420	55 GL drum	HM	Trigger spray bottle, bucket, etc.
Manufacturers of MIL-D-16791 are listed in the Table 2-6.	MIL-D-16791	MIL-D-16791	7930-00-282-9699	1 GL	HM	Trigger spray bottle, bucket, etc.
	MIL-D-16791	MIL-D-16791	7930-00-985-6911	5 GL	HM	Trigger spray bottle, bucket, etc.
	MIL-D-16791	MIL-D-16791	7930-00-282-9700	55 GL drum	HM	Trigger spray bottle, bucket, etc.

Table 2-6

MIL-D-16791 Authorized Vendors

Company Name	Customer Assistance	Web Site
Chemical Specialties and Development Inc.	1 (936) 756-1065	www.startexchemical.com
Lighthouse for the Blind	1 (877) 438-5963	www.lhbindustries.co
Michel and Pelton Co.	Not Listed	Not listed
Octagon Process Inc.	1 (800) 423-3375	No website
Danbury Union Carbide (Dow)	1 (800) 447-4369	www.dow.com
Ashland Chemical Co.	1 (888) 274-2436	www.ashland.com
National Diagnostics, Inc.	1 (800) 526-3967	www.nationaldiagnostics.com
Chemscope Corp.	Not Listed	Not listed
Continental Chemical Corp.	Not Listed	Not listed
CC Distributing Inc.	1 (801) 621-7918	ccd@stormbowling.com
Mallinckrodt Baker, Inc.	1 (800) 582-2537	www.mallbaker.com

1.6 Floor Finish Restorer Concentrates

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 2-7.

2.6.1 Product Description

The cleaning concentrates listed in this section are categorized as Floor Finish Restorer Concentrates suitable for removing heavy soils from walls, painted surfaces, linoleum, asphalt, rubber, vinyl tile flooring, epoxy colorflake decking, terrazzo decking, and other washable surfaces. These cleaners comply with shipboard requirements for a stable, homogenous, non-abrasive, concentrated, liquid, heavy-duty cleaner. These cleaners are not intended for use on non-skid or "stratica" tile decking systems unless otherwise specified herein.

2.6.2 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with detergent concentrate. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists and vapors from these concentrates.

- Use concentrated detergents only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All floor finish restorer concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment shall be installed under the reservoir to prevent accidental spills from leaking on surrounding decks.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
1st EnviroSafety, Inc. Customer Assistance: 1-888-578-9600 Web Site: www.1stenvirosafety.com	Organic Cleaner / Degreaser	67128	6850-01-505-7711	4 -1 GL/case	HM	Mop and Bucket
	Organic Cleaner / Degreaser	67640	6850-01-507-7912	5 GL CN	HM	Mop and Bucket
	Organic Cleaner / Degreaser	67030	6850-01-505-7706	30 GL drum	HM	Mop and Bucket
	Organic Cleaner / Degreaser	67055	6850-01-505-7710	55 GL drum	HM	Mop and Bucket
3M™ Commercial Care Division Customer Assistance: 1 (800) 3M-HELPS Web Site: www.3M.com/commcare	3M™ General Purpose Cleaner Concentrate 8L (dispenses 1 GL/min)	70-0708-3998-3	7930-01-381-6001	6 - 2L BT/case	F, HM	3M™ Twist 'n Fill™

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
3M™ Commercial Care Division (cont'd)	3M™ General Purpose Cleaner Concentrate 8H (dispenses 3 GL/min)	70-0708-4008-0	7930-01-381-5834	6 - 2L BT/case	F, HM	3M™ Twist 'n Fill™
	3M™ Heavy-duty Multi-surface Cleaner Concentrate	70-0708-3990-0	7930-01-381-5997	6 - 2L BT/case	C, AT, HM	3M™ Twist 'n Fill™
AE USA (formerly Allied Enterprises) Customer Assistance: 1 (800) 604-4002 Web Site: www.aeusa.com	Leading Edge Degreaser and Hard Surface Cleaner	9P-1003	6850-01-506-3002	4 -1/2 GL/case	C, AT, HM	Leading Edge Mix Master
	Leading Edge Degreaser and Hard Surface Cleaner	9109H-1359-4	6850-01-506-3178	4 -1 GL/case	C, AT, HM	Trigger spray bottle, mop and bucket, etc.
	Leading Edge Degreaser and Hard Surface Cleaner	9109G-1359	6850-01-506-3185	5 GL	C, AT, HM	Trigger spray bottle, mop and bucket, etc.

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
AE USA (cont'd)	Leading Edge Spray and Wipe Cleaner	9409P-0999	7930-01-508-2111	4 - 1/2 GL/case	HM	Leading Edge Mix Master
American Cleaning Solutions Customer Assistance: 1 (866) 883-3562 Web Site: www.americancleaning. com	TUFF JOB	TJ-00501	7930-01-336-7197	6 – 1 GL/case	C, HM	Trigger spray bottle, mop and bucket, etc.
	TUFF JOB	TJ-00505	7930-01-336-7198	5 GL pail	C, HM	Trigger spray bottle, mop and bucket, etc.
	TUFF JOB	TJ-00555	7930-01-319-5373	55 GL drum	C, HM	Trigger spray bottle, mop and bucket, etc.
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com *Check with manufacturer for dispensing system options	Blaze Off	60605083	6850-01-506-5087	1 GL	C, HM	Knight Mixing station
	Blaze Off	606050834	6840-01-506-3505	4 - 1 GL/case	C, HM	Knight Mixing station
	Blaze Off	60605087	6850-01-506-6326	5 GL pail*	C, HM	Mop and Bucket

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch (cont'd) *Check with manufacturer for dispensing system options	Blaze Off	60605085	6850-01-506-6323	15 GL keg*	C, HM	Mop and Bucket
	Golden Gusto Cleaner	1277453	7930-01-370-9512	4 - 1 GL/case	AT, HM	Knight Mixing station
	Golden Gusto Cleaner	1277457	7930-01-508-2118	5 GL pail*	AT, HM	Mop and Bucket
	Golden Gusto Cleaner	1277455	7930-01-508-2114	15 GL keg*	AT, HM	Mop and Bucket
	MPC Multi-purpose Cleaner	1517513	7930-01-508-2131	1 GL	AT, HM	Knight Mixing station
	MPC Multi-purpose Cleaner	15175134	7930-01-508-3216	4 - 1 GL/case	AT, HM	Knight Mixing station
	MPC Multi-purpose Cleaner	1517517	7930-01-508-2136	5 GL pail*	AT, HM	Mop and Bucket

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch (cont'd)	MPC Multi-purpose Cleaner	1517515	7930-01-508-2133	15 GL keg	AT, HM	Mop and Bucket
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Hex Cleaner & Deodorizer	HE 1587-24	6850-01-412-8874	24 – 1 L/case	HM	Mop and Bucket
	Hex Cleaner & Deodorizer	HE 1587-6G	6850-01-412-8873	6 GL pail	HM	DEMA Blend
	Hex Cleaner & Deodorizer	HE 1587-55G	6850-01-412-8872	55 GL drum	HM	DEMA Blend
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	High Speed Neutral Cleaner	CX-FLOOR-4	6850-01-434-4414	4 - 1 GL/case	HM	Mop and Bucket
	High Speed Neutral Cleaner	CXFLOOR-5CN	7930-01-521-4190	5 GL CN	HM	Mop and Bucket

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Coast Products (cont'd)	High Speed Neutral Cleaner	CXFLOOR-55DR	7930-01-521-4193	55 GL drum	HM	Mop and Bucket
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Flash Back	61221180	7930-01-418-1226	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 136	10707	7930-01-398-0955	2.5 GL	C, F, AT, HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 136	10732	7930-01-436-7943	15 GL	C, F, AT, HM	Mop and Bucket
	Quik Fill 330	62380053	7930-01-379-5357	2.5 GL	AT, HM	Control Tower IV Select Four Oasis Ultra 1
ELSCO International Customer Assistance: 1 (888) 84 ELSCO Web Site: www.elscointl.com	Super Blast Off	SB-3	7930-01-363-2818	6 - 1 GL/case	HM	Mop & bucket
	Super Blast Off	SB-2	7930-01-364-7376	5 GL pail	HM	Mop & bucket

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
ELSCO International (cont'd	Super Blast Off	B-32	7930-01-381-3398	12-32 oz BT/case	HM	Mop & bucket
	Super Blast Off	B-22	7930-01-363-2819	12-22 oz BT/case	HM	Mop & bucket
Johnson Wax Professional Customer Assistance: 1 (800) 558-2332 Web Site: www.johnsondiversey.com *Approved by NAVSEA for use on "Stratica" floor tiles	*Stride Citrus Neutral Cleaner	4716	7930-01-508-3232	2 - 2.5 L/case	HM	J-Fill
	*Stride Citrus Neutral Cleaner	3909	7930-01-397-2710	6 - 32 oz BT/case	HM	Mop & bucket
	*Stride Citrus Neutral Cleaner	3904	7930-01-508-3223	4 - 1 GL/case	HM	Mop & bucket
	*Stride Citrus Neutral Cleaner	3906	7930-01-508-3225	5 GL	HM	Mop & bucket
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Double Duty	114732	7930-01-508-4760	12-1 QT BT/case	AT, HM	Mop & bucket
	Double Duty	114701	7930-01-508-4764	1 GL	AT, HM	Maintex dispensing system

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Maintex (cont'd)	Double Duty	114704	7930-01-412-1019	4 - 1 GL/case	AT, HM	Maintex dispensing system
	Double Duty	114705	7930-01-412-1020	5 GL pail	AT, HM	Mop & bucket
Orison Marketing, L.L.C. Customer Assistance: 1 (800) 460-2403 Web Site: www.orisonllc.com	VPW SC-1000	VPW SC-1000-1	6850-01-505-7202	4 - 1 GL/case	HM	Mop & bucket
	VPW SC-1000	VPW SC-1000-5s	6850-01-474-1273	5 GL carboy	HM	Mop & bucket
	VPW SC-1000	VPW SC-1000-55	6850-01-474-1311	55 GL drum	HM	Mop & bucket
Orloff Corp./Computer Bath Customer Assistance: 1 (714) 754-6461 Web Site: www.computerbath.com	Absolutely Clean	ABCC-200	6850-01-505-7166	1 GL	HM	KP1H Mixing Center
	Absolutely Clean	ABCC-205	6850-01-505-7693	5 GL	HM	KP1H Mixing Center
	Absolutely Clean	ABCC-255	6850-01-505-7692	55 GL drum	HM	KP1H Mixing Center

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Quick 'n Brite Customer assistance: 1 (425) 778-8285 Web Site: www.quicknbrite.com	Quick 'n Brite	QB-255-011-A	7930-01-442-5898	6 - 1 GL/case	HM	Hydro Accudose
	Quick 'n Brite	QB-160-001-A	7930-01-442-5899	5 GL	HM	Hydro Accudose
	Quick 'n Brite	QB-165-001-A	7930-01-442-5900	55 GL drum	HM	Hydro Accudose
Sierra Technologies (formerly SOQ Environmental) Customer Assistance: 1 (480) 966-2892 Web Site: www.soqenvironmental. com	Ecomate MPC	MPC-4	7930-01-398-0934	4 - 1 GL/box	C, HM	Trigger spray bottle, mop and bucket, etc.
	Ecomate MPC	MPC-15	7930-01-468-4419	15 GL	C, HM	SOQ Multiblend Dispenser
	Ecomate MPC	MPC-5	7930-01-398-0935	5 GL	C, HM	SOQ Multiblend Dispenser

Table 2-7

Authorized Floor Finish Restorer Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
South Texas Environmental Products Customer Assistance: 1 (512)255-0888 Email address: step@onr.com Website: None	Clean & Conditioner	1040-1	7930-01-521-7598	4 - 1 GL/case	AT, HM	Accudose, DEMA or Knight
	Clean & Conditioner	1040-4	7930-01-521-7599	5 GL pail	AT, HM	Accudose, DEMA or Knight
	Clean & Conditioner	1040-6	7930-01-521-7603	55 GL drum	AT, HM	Accudose, DEMA or Knight
Werth Sanitary Supply Co., Inc. Customer Assistance: 1 (619) 562-2555 Web Site: www.werthsanitary.com	PRC Deck Cleaner	1100867	7930-01-447-2527	4 – 1 GL/case	HM	Hydro Accudose
	PRC Deck Cleaner	1100868	7930-01-447-2526	5 GL pail	HM	Hydro Accudose

1.7 Shipboard Floor Stripper Concentrates

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 2-8.

2.7.1 Product Description

The cleaning products listed in this section are categorized as Shipboard Floor Stripper Concentrates. These cleaners will remove water emulsion floor finish and floor wax from impermeable floor surfaces.

2.7.2 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with detergent concentrate. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists and vapors from these concentrates.

- Use concentrated detergents only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All floor finish restorer concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment be installed under the reservoir to prevent accidental spills and leakage on surrounding decks.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-8

Authorized Shipboard Floor Stripper Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
3M™ Commercial Care Division Customer Assistance: 1 (800) 3M-HELPS Web Site: www.3M.com/commcare	3M™ Finish Remover 21	70-0710-0957-8	7930-01-508-2233	6 - 2 L BT/case	C, AT, HM	3M™ Twist 'n Fill™
	3M™ Floor Stripper LO	70-0708-4021-3	7930-01-508-2231	6 - 2 L BT/case	C, AT, HM	3M™ Twist 'n Fill™
	3M™ Speed Stripper	70-0710-6561-2	7930-01-381-5982	6 - 2 L BT/case	C, AT, HM	3M™ Twist 'n Fill™
Allied Enterprises Customer Assistance: 1 (800) 943-5400 Web Site: www.shopallied.com	Power Strip	9409H-0948	7930-01-508-2239	4 - 1 GL/case	C, AT, HM	Mop & bucket only
	Power Strip	9409G-0948	7930-01-508-2237	5 GL	C, AT, HM	Mop & bucket only
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com	New Kemtronics	1528803	7930-01-508-2748	4 - 1 GL/case	AT, HM	Knight Mixing Station
	New Kemtronics	1528807	7930-01-508-3219	5 GL pail	AT, HM	Knight Mixing station
	New Kemtronics	1528805	7930-01-508-4216	15 GL keg	AT, HM	Trigger spray bottle, mop and bucket, etc.
	New Kemtronics	1528801	7930-01-508-2241	55 GL drum	AT, HM	Trigger spray bottle, mop and bucket, etc.
	No Scrub Stripper	1550003	7930-01-508-3214	1 GL	C, HM	Knight Mixing station

Table 2-8

Authorized Shipboard Floor Stripper Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch (cont'd)	No Scrub Stripper	15500034	7930-01-508-3218	4 - 1 GL/case	C, HM	Knight Mixing station
	No Scrub Stripper	1550007	7930-01-508-2746	5 GL pail	C, HM	Knight Mixing station
	No Scrub Stripper	1550005	7930-01-508-2744	15 GL keg	C, HM	Mop & bucket only
	Vac-Up Stripper	1795453	7930-01-363-1630	4 - 1 GL/case	C, HM	Knight Mixing station
	Vac-Up Stripper	1795457	7930-01-370-7513	5 GL pail	C, HM	Knight Mixing station
	Vac-Up Stripper	1795455	7930-01-508-3713	15 GL keg	C, HM	Mop & bucket only
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Believe	BE 1687-4G	7930-01-436-8062	4 - 1 GL/case	C, HM	DEMA
	Believe	BE 1687-8G	6850-01-440-1497	8 - 1 GL/case	C, HM	DEMA
	Believe	BE 1687-6G	6850-01-440-1488	6 GL pail	C, HM	Mop & bucket only
	Believe	BE-1687-55G	6850-01-440-1482	55 GL drum	C, HM	Mop & bucket only

Table 2-8

Authorized Shipboard Floor Stripper Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	CareStrip LO	61183458	7930-01-473-1230	2.5 GL	C, AT, HM	Select Four Control Tower IV Oasis Ultra 1
	Quik Fill 320	62380041	7930-01-379-5353	2.5 GL	C, AT, HM	Select Four Control Tower IV Oasis Ultra 1
South Texas Environmental Products Customer Assistance: 1 (512) 255-0888 Email Address: step@onr.com Website: None	Stripper	1030-1	7930-01-521-7601	4 - 1 GL/case	C, HM	Accudose, DEMA, or Knight
	Stripper	1030-4	7930-01-521-7605	5 GL pail	C, HM	Accudose, DEMA, or Knight
	Stripper X	1035-1	7930-01-521-7610	4 - 1 GL/case	C, HM	Accudose, DEMA, or Knight
	Stripper X	1035-4	7930-01-521-7611	5 GL pail	C, HM	Accudose, DEMA, or Knight
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Floor Wizard High Performance Stripper	103163	7930-01-508-2740	4 -1 GL/case	C, HM	Mop & bucket only

Table 2-8

Authorized Shipboard Floor Stripper Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
State Industrial Products (cont'd)	Floor Wizard High Performance Stripper	108189	7930-01-508-6105	4 – 3 L/case	C, HM	"One Solution" Powerfill
	Floor Wizard High Performance Stripper	101202	7930-01-508-4390	55 GL drum	C, HM	Mop & bucket only
	Floor Wizard High Performance Stripper	101180	7930-01-508-3711	20 GL drum	C, HM	Mop & Bucket only
	Floor Wizard High Performance Stripper	101204	7930-01-508-6123	2 - 2.5 GL/case	C, HM	Mop & bucket only
Werth Sanitary Supply Co., Inc. Customer Assistance: 1 (619) 562-2555 Web Site: www.werthsanitary.com	Wax Stripper	120805	7930-01-399-2716	4 - 1 GL Bt/case	C, HM	Hydro Accudose
	Wax Stripper	120800	7930-01-399-2722	5 GL pail	C, HM	Hydro Accudose

1.8 Glass Cleaner Concentrates

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 2-9.

2.8.1 Product Description

The cleaning concentrates listed in this section are categorized as glass cleaner liquid concentrates with and without antifogging properties. These glass cleaners are used to polish glass surfaces, plastics, ceramics, chrome, painted surfaces, and stainless steel. The glass cleaner concentrates, when diluted in accordance with the manufacturers instructions, are applied using manually pumped plastic or glass bottles and corresponding refills (not aerosol-packaged, ready-to-use cleaners).

NOTE

Aerosol-packaged ready-to-use cleaners are not included under this description. In order to minimize the use of propellants and the accumulation of empty aerosol cans, manually hand pumped product spray dispensers are recommended and considered a more viable and environmentally-friendly option.

2.8.2 Related Safety, Health, and Environmental Hazards

- Many glass cleaning concentrates have a flash point less than 140° F and are considered **"flammable materials."** Glass cleaning concentrates should be stored in accordance with current directives for "**flammable liquids"** as stated in OPNAVINST 5110.19. **DO NOT use or store glass cleaning concentrates near or on hot surfaces or sources of ignition, sparks, or an open flame and oxidizers such as calcium hypochlorite, sodium nitrate, and hydrogen peroxide.** Diluted glass cleaning solutions are not classified as "flammable materials." No special handling or storage considerations are required for these in-use glass cleaners.

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with glass cleaner concentrate. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists and vapors from these concentrates.

- Use concentrated detergents only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All glass cleaner concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or expended solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system, the concentrate shall be only used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- If used in a dispensing system having a concentrate reservoir, a portable, temporary containment be installed under the reservoir to prevent accidental spills and leakage on surrounding decks.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 2-9

Authorized Glass Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
3M™ Commercial Care Division Customer Assistance: 1 (800) 3M-HELPS Web Site: www.3M.com/commcare	3M™ Heavy-duty Glass Cleaner Concentrate	70-0708-4020-5	7930-01-508-2244	6 - 2 L BT/case	F, HM	3M™ Twist 'n Fill™
	3M™ Twist 'n Fill™ Glass Cleaner Concentrate	70-0708-4007-2	7930-01-381-5826	6 - 2 L BT/case	F, AT, HM	3M™ Twist 'n Fill™
Allied Enterprises Customer Assistance: 1 (800) 943-5400 Web Site: www.shopallied.com	Leading Edge Mix Master No.1 Glass Cleaner	9409P-1000	7930-01-508-2119	4 -1/2 GL/case	F, AT, HM	Leading Edge Mix Master
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	Coast Pacific Sparkle Glass Cleaner	CN421CON-32	7930-01-521-4188	12-1 QT/case	HM	Spray Bottle
	Coast Pacific Sparkle Glass Cleaner	CN421CON-4	7930-01-521-4196	4 - 1 GL/case	HM	Spray Bottle
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Oasis 255	11227	7930-01-379-5378	2.5 GL	C, HM	Select Four Control Tower IV Oasis Ultra 1
	Oasis 255	11197	7930-01-379-5174	5 GL	C, HM	Trigger spray bottle, etc.

Table 2-9

Authorized Glass Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab Institutional Division (cont'd)	Oasis 256	18515	7930-01-379-5330	2.5 GL	C, F, HM	Select Four Control Tower IV Oasis Ultra 1
	Oasis 256	18531	7930-01-379-5178	5 GL	C, F, HM	Trigger spray bottle, etc.
	Oasis 256	13086	7930-01-436-8007	15 GL	C, F, HM	Trigger spray bottle, etc.
	Oasis 257	16891	7930-01-508-4218	2.5 GL	C, HW	Select Four Control Tower IV Oasis Ultra 1
	Oasis 257	11224	7930-01-508-3212	15 GL	C, HW	Trigger spray bottle, etc.
Johnson Wax Professional Customer Assistance: 1 (800) 558-2332 Web Site: www.johnsondiversey.com	Glance Glass and Surface Cleaner	5779	7930-01-508-3241	2 - 2.5 L/case	C, HM	J-Fill
South Texas Environmental Products Customer Assistance: 1 (512) 255-0888 Email address: step@onr.com Website: None	Glass & Surface Cleaner	5040-1	7930-01-521-7612	4 - 1 GL/case	HM	Accudose, DEMA, or Knight
	Glass & Surface Cleaner	5040-4	7930-01-521-7613	5 GL pail	HM	Accudose, DEMA, or Knight

Table 2-9

Authorized Glass Cleaner Concentrates

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Spartan Chemical Company, Inc Customer Assistance: 1 (800) 537-8990 Web Site: www.spartanchemical.com	Spartan Glass Cleaner	3507-4	7930-01-521-7594	4-1 GL BT/box	C, HM	Trigger spray bottles, etc.
	Spartan Glass Cleaner	3507-5	7930-01-521-7597	5 GL CN	C, HM	Trigger spray bottles, etc.
	Spartan Glass Cleaner	3507-55	7930-01-521-7604	55 GL	C, HM	Trigger spray bottles, etc.
Sun Brite Corporation Customer Assistance: 1 (800) 458-5636 Web Site: www.sunbrite.biz/online/default/htm	Sun Brite Cleaner	SB – 1PT	7930-01-508-2736	1 PT	HM	Trigger spray bottles, etc.
	Sun Brite Cleaner	SB – CASE	7930-01-508-2743	24 - 1 PT BT/case	HM	Trigger spray bottles, etc.
	Sun Brite Cleaner	SB – 1GAL	7930-01-508-3701	1 GL	HM	Trigger spray bottles, etc.
	Sun Brite Cleaner	SB – 4.25 gal	7930-01-508-3707	4.25 GL bucket	HM	Trigger spray bottles, etc.

3.0 AUTHORIZED DISPENSING SYSTEMS

This chapter covers general-purpose chemical cleaning dispensing systems (CCDSs) for Naval surface ships general-purpose use. The dispensers are used to mix and dispense cleaning compound concentrates. The cleaning compounds must be procured separately. This chapter will summarize the requirements for approved dispensing systems, as documented in the Technical Purchase Description (TPD) for dispensing systems.

NOTE

Prior to ordering dispensing systems, contact the manufacturer's Customer Service Department to verify the following information:

- **Dispenser model features, flow options, supporting hardware, dilution ratios for specific concentrates, backflow options, installation options, etc.**
- **Dispenser model numbers and product names are current and not changed or discontinued.**

3.1 General Requirements for Shipboard Dispensing Systems

The following general requirements are necessary for authorized surface ships CCDSs:

- The installation and maintenance of the CCDS shall be conducted by the manufacturer or Ship's Force in accordance with manufacturers' instructions and requirements contained herein.
- Only manufacturer-authorized products shall be used with a specific manufacturer's dispensing system.
- The CCDS shall have a lock and key mechanism or tamper-resistant feature built into the system. If the dispensing system is not designed with this feature, a dispensing system enclosure is required.
- The CCDS have a backflow prevention feature to prevent cross-contamination of the potable water system.
- The CCDS may be a gravity feed, pneumatic, or electronically-monitored (or similar) dispensing system.

- The CCDS automatically dilutes the concentrated cleaner to the prescribed-manufacturer's dilution ratio to provide a ready-to-use cleaner. This dilution ratio shall be adjustable to suit a variety of cleaning compounds' dilutions as specified by the manufacturer. Information related to the dilution ratios for specific applications is provided in the manufacturers CCDS and concentrate technical data to ensure proper dilution ratios are dispensed.

- The dispensing system pass or disassemble so that it can pass through a shipboard access (26 X 66 inches) with 8-inch radius corners.

- A portable, temporary containment shall be installed under the concentrate reservoir to prevent accidental spills and leakage on surrounding decks.

3.2 Installation Requirements for Shipboard Dispensing Systems

The following installation requirements are necessary for authorized surface ship CCDSs:

- The CCDSs shall be physically and visually accessible from the front for operation and for normal maintenance with tools, test equipment, and replacement parts.

- The CCDS shall be installed in a work area, i.e., shop, work center, etc. that has adequate stowage facilities for the cleaner concentrates and also potable water source connections in the proximity and adequate ventilation.

- Electronic CCDSs shall meet requirements of UL 62 "Flexible Control Equipment" and UL 508 "Industrial Control Equipment." The CCDS unit shall operate on 115 VAC, 60 Hz, single-phase power, as defined in MIL-STD-1399, Section 300 "Interface Standard for Shipboard Systems Section 300A Electric Power, Alternating" and shall have provisions for making direct (hardwired) connections for electric power (2 conductors) and for equipment grounding (1 conductor). All outer metallic surfaces shall be grounded via the equipment grounding connection. The grounding resistance between any exposed metallic surfaces and the common ground point shall be not greater than 0.1 ohm. Electrical components shall be provided in accordance with NEMA Type 13 or equivalent enclosure protection. Metal parts of electrical components and enclosures shall be inherently corrosion resistant or shall be treated and processed for corrosion resistance in accordance with IEEE Standard 45 "IEEE Recommended Practice for Electric Installation of Shipboard." A motor, if present, shall be hermetically sealed.

- A data nameplate or decal shall be installed to provide the manufacturer's name, model, serial number, and any other information needed to uniquely identify the unit.

- An instruction plate shall be installed to provide instructions for start-up, operation, and shut-down.

3.3 Authorized Shipboard Dispensing Systems

This section presents general purpose chemical cleaning dispensing systems (CCDSs) that are authorized for Naval shipboard general purpose use. The dispensers are used to mix and dispense cleaning compound concentrates. The cleaning compounds must be procured separately. Dispenser feature highlights were obtained from manufacturer product information. For more detailed product descriptions, contact the manufacturers. Tables 3-2 through 3-14 show the approved CCDSs and some of their associated characteristics.

Table 3-1

Authorized Chemical Cleaning Dispensing Systems

Manufacturer	Dispensing System	Table
3M™ Commercial Care Division	Twist ‘n Fill Model No. 1030BNP	3-2
AE USA (formerly Allied Enterprises)	Leading Edge Mix Master	3-3
Birsch Cleaning Products	Knight Proportioner Systems	3-4
Ecolab Institutional Division	Control Tower IV	3-5
Ecolab Institutional Division	Oasis Ultra 1	3-6
Ecolab Institutional Division	Select 4	3-7
Johnson Wax Professional	J-Fill	3-8
Magnolia Marketing	Knight KP1H	3-9
Maintex, Inc.	Maintex	3-10
MAK Products	DEMA Blend	3-11
Orison Marketing	DEMA Blend	3-11
Orloff Corp./Computer Bath	Knight KP1H	3-12
Quick ‘n Brite	Hydro Accudose	3-13
Sierra Technologies (formerly SOQ Environmental)	Ecomate Multi Blend	3-14
State Industrial Products	Powerfill™	3-15

Table 3-2

3M™ Twist 'n Fill™ Model No. 1030BNP Dispensing System

Dispenser	Dispenser Features
	• Wall-mounted, single compact dispenser - can be grouped together • 2-liter unit of issue required for dispensing system • Integral air gap prevents chemical backflow to potable water source • Dual flow rates: - 3-gallon per min dispense rate for bucket application - 1-gallon per min for trigger spray bottle application • Gravity-fed • Visual out-of-chemical indicator • Manual rinse water valve • Meets ASSE Standard #1055 • Automatic shut-off option available • Can be installed and maintained by manufacturer • Concentrates shall be removed from the CCDS when not in use to avoid dripping on surrounding area (The requirement for a locking device feature is waived since concentrate is not stored in the dispensing system) Model No: 1030BNP Customer Service: 1 (800) 3M-HELPS

Table 3-3

AE USA (formerly Allied Enterprises) Leading Edge Mix Master Dispensing System

Dispenser	Dispenser Features
	• One dispensing system can dispense 6 products – 4 low flow rates, 2 high flow rates • Controlled by dial selection • Lock and key mechanism to prevent tampering • Meets vibration and motion requirements as defined in MIL-STD-167/1 • Can be installed and maintained by manufacturer • E-gap eductors provide protection against backfill • Standard ½ gallon locking enclosures Stock No: 410-4J-06845 Customer Service: 1 (800) 943-5400

Table 3-4

Birsch Cleaning Products: Knight Proportioning Systems

Dispenser	Dispenser Features
  Knight MXC-404 Four Product Mixing Center	• Modular components or dial 4 dispenser or 1 to 5 customized mixing stations • Stainless steel or plastic case • 1 gallon unit of issue used in dispenser • Optional “Aire-Gap” or “Flex-Gap” for backflow prevention • Dispenses 4 products (Dial-a-Mix) and a choice of 1, 3, or 4 gpm flow rate • Modular configuration allows individual stations to be connected • The “Mixing Center” provides a locking cabinet that prevents pilferage or tampering with chemical mix ratios • “No-drip” fill spouts deliver product straight into bottle • Color-coded metering tips • All dispensers use water suction to extract concentrate from container • Due to numerous specific features/options and various configurations of mixing stations, consult with company prior to ordering Models: Dial-A-Mix Proportioning Systems (4 types) Knight Mixing Stations (1 to 5 units) Customer Service: 1 (757) 622-0355

Table 3-5

Ecolab Control Tower IV Dispensing System

(same unit as Oasis Tower)

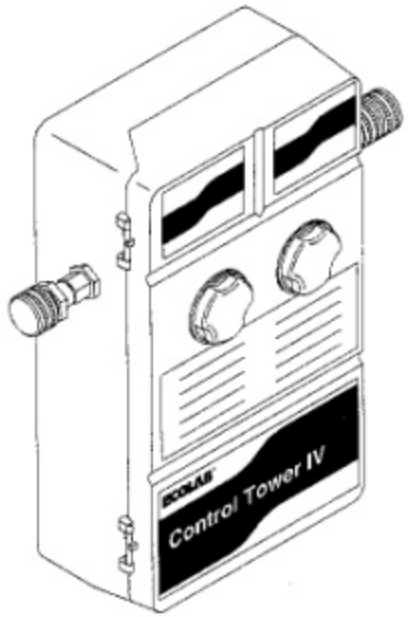
Dispenser	Dispenser Features
 ECOLAB Control Tower IV	• Single or multi unit available • Requires minimum of 20 psi water pressure, maximum 85 psi water pressure to operate • Water temperature can be no greater than 160° F for bucket dispensing, 110° F for spray bottle • Water inlet is located on right side of machine • Pneumatic system, button activated • Air gap to prevent backfill • Can be connected to faucet • Metering tips to control dilution concentrations • Tamper-resistant feature • Installed and maintained by manufacturer • Recommended for dispensing quaternary ammonium cleaners Model No: Control Tower IV Customer Service: 1 (800) 25-CLEAN

Table 3-6

Ecolab Oasis Ultra 1 Dispensing System

Dispenser	Dispenser Features
	• Requires minimum of 20 psi water pressure, maximum 85 psi water pressure to operate • Water temperature can be no greater than 140° F for bucket dispensing, 110° F for spray bottle • Water inlet is located on right side of machine • Button or bottle activated • "Flex-Gap" prevents potable water contamination (air gap to prevent backfill is available as an alternate to "Flex-Gap" if desired) • Can be connected to faucet • Metering valves to control concentrations • Single or multi-units available • Recommended for dispensing quaternary ammonium cleaners • Dispensers for sanitary products may be supplied with a capillary kit to control final diluted concentration • Installed and maintained by manufacturer Model No: Oasis Ultra 1 Customer Service: 1 (800) 25-CLEAN

Table 3-7

Ecolab Select Four Dispensing System

Dispenser	Dispenser Features
	• Dispenses up to 4 products from one dispensing system • Selector valve to choose product • Requires minimum of 20 psi water pressure, maximum 85 psi water pressure to operate • Water temperature can be no greater than 140° F for bucket dispensing, 110° F for spray bottle • Water inlet is located on right side of machine • Button or bottle activated • Can be connected to faucet • Metering valves to control concentrations • “Flex-Gap” prevents potable water contamination (air gap to prevent backfill is available as an alternate to “Flex-Gap” if desired) • NOT FOR USE WITH QUATERNARY AMMONIUM PRODUCTS • Installed and maintained by manufacturer Model No: Select Four Customer Service: 1 (800) 25-CLEAN

Table 3-8

Johnson Wax Professional

J-Fill Dispensing System

Dispenser	Dispenser Features
J-Fill Dispensing System	▪ 2.5 liter "spil-tite" cartridges- 4 products/dispenser ▪ Air gap meeting ANSI Standard 112.1.2 for water backflow prevention ▪ Spray loaded drip tray with latch. Up for bucket filling, down for filling spray bottles ▪ Windows for product identification and usage levels ▪ Stainless steel cabinet – lockable to prevent pilferage ▪ Selector switch and button activated Model: J-Fill Customer Service: 1 (800) 558-2332

Table 3-9

Magnolia Marketing Products

Knight KP1H Dispensing System

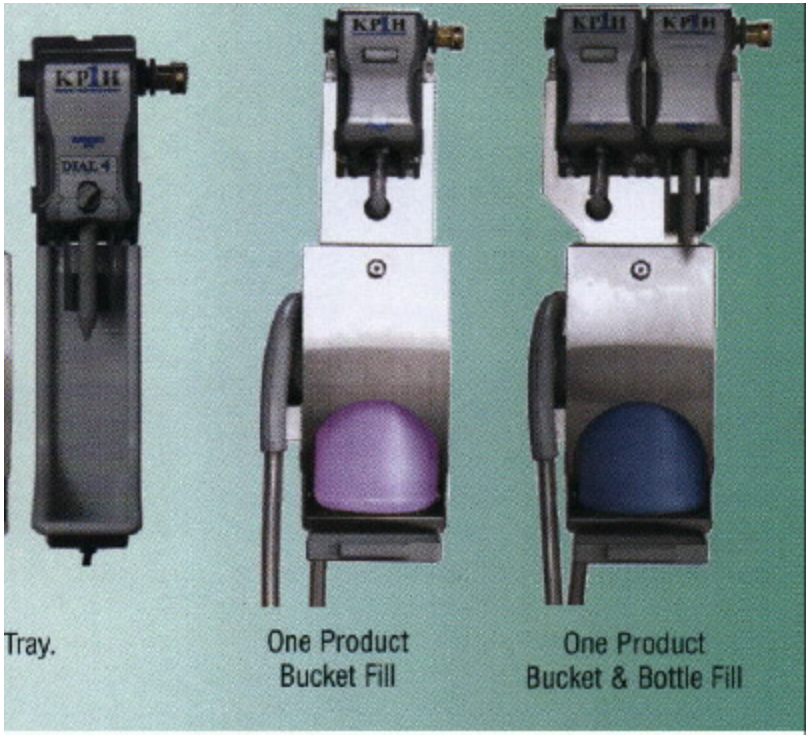
Dispenser	Dispenser Features
	• Modular components • May be built as a single product bottle or bucket fill dispenser or multiple product Dial 4 dispenser • Units can be linked • Button and bottle activated • Dial-a-mix system allows from 1 to 4 cleaning concentrates to be dispensed, each with its own dilution rate • 2 different backflow devices – “Flex-Gap” or “Aire-Gap” option • 2 types of dispenser activation – “Easy Lock” button to fill buckets or bottles and “One-Hand” filling of spray bottles • Specific features and number of stations **should be verified and confirmed** with company prior to placing Order • Locking front cover provides secure storage for cleaning and prevents product pilferage. Models: KP1H-1 One product at one dilution KP1H-4 Four products at one dilution Customer Service: 1 (610) 436-6054

Table 3-10

Maintex Dispensing Systems

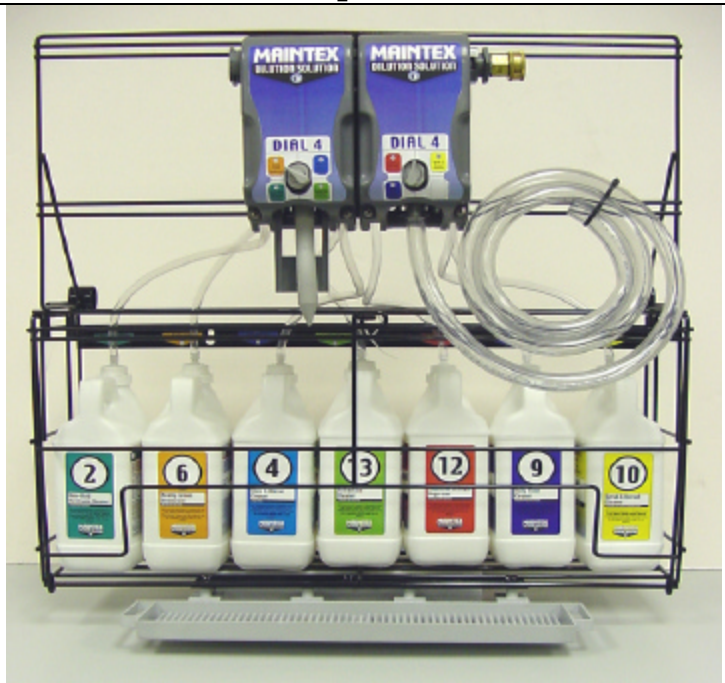
Dispenser	Dispenser Features
 **Maintex Dial-4 Dispensing System and 7 Product Dilution Station**	• 1, 2, 3, or 4 product dispensing stations • Dial-4 dispensing system allows from 1 to 4 cleaning concentrates to be dispensed from one unit • Metering tips control dilution concentrations • Dispenses ½ gallon or 1 gallon units of issue • "Flex-Gap" prevents potable water contamination (air gap to prevent backfill • Fills buckets or bottles • Specific features and number of stations **should be verified and confirmed** with company prior to placing Order • Locking stainless steel cabinet provides secure storage for cleaning and prevents product pilferage. • Models: MX102 - 2 product dispensing station MX103 - 3 product dispensing station MX404 - 4 product dispensing station Customer Service: 1 (800 261-4456

Table 3-12

MAK Product and Orison Marketing, LLC

DEMA Blend Dispensing Systems

Dispenser	Dispenser Features
  DEMA 661AG-4 Blend Safe Dispenser	• Exterior corrosion-resistant, stainless steel, single or multi-units available • Color coded metering tips, selector valves • Plastic or stainless steel outer casing • Optional **DEMA Safe** lockable compartment to prevent tampering • Unit accommodates various bottle sizes up to 5 liters • Product level viewing window • All AG models have AirGap proportioner to prevent backfill • May be installed by ship's force or by contractor under separate maintenance contract • Specific features and number of stations **should be verified and confirmed** with company prior to placing order Models: DEMA 661 AGS, DEMA 662-AG, DEMA Dial-A-Blend Models 635AG, 637AG, 639AG-4-1 DEMA Multi-Blend 681 AG-2P, 681 AG-3P Customer Service: 1 (800) 625-6869 MAK Products Customer Service: 1 (800) 460-2403 Orison Marketing

Table 3-13

Orloff Corp/Computer Bath Products
KNIGHT KP1H Dispensing System

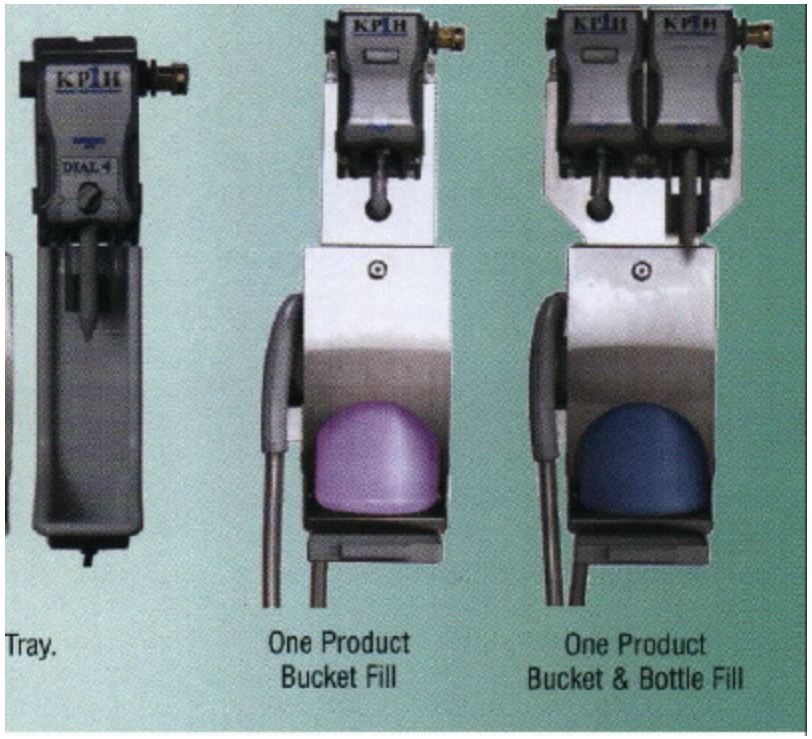
	Dispenser Features
	• Modular components • May be built as a single product bottle or bucket fill dispenser or multiple product Dial 4 dispenser • Units can be linked • Button and bottle activated • Dial-a-mix system allows from 1 to 4 cleaning concentrates to be dispensed, each with its own dilution rate • 2 different backflow devices – “Flex-Gap” or “Aire-Gap” option • 2 types of dispenser activation – “Easy Lock” button to fill buckets or bottles and “One-Hand” filling of spray bottles • Installation and maintenance of dispensing system available by Computer/Bath • Locking front cover provides secure storage for cleaning and prevents product pilferage. Model No: KP1H-1 One product at 1 dilution KP1H-4 Four products at 1 dilution Customer Service: 1 (714) 754-6461

Table 3-14

Quick ‘n Brite

Hydro AccuDose Proportioning Systems

Dispenser	Dispenser Features
Hydro AccuDose Select Series	• Standard Accudose units are equipped with HydroGap Air gap eductors to prevent backflow (ASSE 1055B Approved.) • Metering dispensing tips • Locking option for chemical management rack • Available in three formats - four dilutions of a single product - dispenses four separate products - four products at a low flow rate and one product at a high flow • Specific features and number of stations **should be verified and confirmed** with company prior to placing order Models: 3871AG-2, 3872AG-2, 3874AG-2, 3875AG-2, 3876AG-2 Customer Service: 1 (513) 271-8800 Hydro Systems

Table 3-15

Sierra Technologies and Industrial Specialties (formerly SOQ Env) Multi-Blend Dispensing System

Dispenser	Dispenser Features
	• Not tamper resistant – caging device for the dispenser is available • Dispenses one product at four different dilution ratios • Wall-mounted • Air Gap or Action Gap prevents backflow into the potable water system • Internal parts are formed plastic, except for pipe to garden hose adapter, which is made out of brass • Pumping mechanism – suction/aspirator via water flow • Can be installed by SOQ or customer. If installed by customer, discount is offered Model: Ecomate Multi-Blend NSN: 7930-01-468-4834 Customer Service: 1 (480) 966-2892

Table 3-16

State Industrial Products

Powerfill™ Dispensing Systems

Dispenser	Dispenser Features
	• Pneumatic system • 3-liter bottles used in dispensing unit • "e-gap" eductor to prevent backflow • Customized metering tips (factory installed) • Plastic unit with some metal components • ¾-inch fitting for hose or potable water connection • Choice of different configurations - one to four button configurations - one to six product dispensers - spray bottle and/or bucket valve configuration • Specific features and number of stations **should be verified and confirmed** with company prior to placing order • System is customized by manufacturer for product, dilution, and applications for the user. Locking feature option should Be requested when ordering. • Various Model Part Numbers: 108265 through 108287 Model 108287 Illustrated: Powerfill Select 4 + 2 Customer Service: 1 (866) 573-4468

4.0 AUTHORIZED READY-TO-USE CLEANING PRODUCTS

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Tables 4-1, 4-2, and 4-3.

4.1 Product Description

The cleaners represented in this category are pre-packaged solutions that do not require any dilution on the part of the end user. The Ready-to-Use category consists of three types of cleaners:

Type 1 - A spray-on, wipe-off, general hard surface cleaner

Type 2 - A spray-on, wipe-off glass cleaner

Type 3 - A spray-on, non-food contact disinfectant cleaner

4.2 Application Method

These cleaners are usually packaged or applied using manually pumped bottles (plastic or glass) and may be fill/refilled manually from a larger container of the same ready-to-use product.

NOTE

Aerosol-packaged ready-to-use cleaners are not included under this description. In order to minimize the use of propellants and the accumulation of empty aerosol cans, manually hand pumped product spray dispensers are recommended and considered a more viable and environmentally-friendly option.

4.3 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.
- Avoid skin or eye contact with detergent. If contact is made, flush affected area liberally with water. Consult the MSDS for specific guidance.

- Avoid breathing mists and vapors from the products.
- Ensure the cleaner is used in accordance with the manufacturer's directions.

Table 4-1

Authorized Ready-to-Use Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
1st EnviroSafety, Inc. Customer Assistance: 1-888-578-9600 Web Site: www.1stenvirosafety.com	Organic Cleaner / Degreaser	60032	6850-01-505-7703	12 QT/case	None	Trigger spray bottles, etc
	Organic Cleaner / Degreaser	60128	6850-01-505-7705	4 -1 GL/case	None	Mop and Bucket
	Organic Cleaner / Degreaser	60640	6850-01-507-7910	5 GL CN	None	Mop and Bucket
	Organic Cleaner / Degreaser	60030	6850-01-505-7702	1-30 GL Drum	None	Mop and Bucket
	Organic Cleaner / Degreaser	60055	6850-01-505-7704	55 GL Drum	None	Mop and Bucket
AE USA (formerly Allied Enterprises) Customer Assistance: 1 (800) 604-4002 Web Site: www.aeusa.com	Leading Edge Spray and Wipe Cleaner	9409I-1358	7930-01-508-2126	12 QT/case	None	Spray Bottle
	Leading Edge Spray and Wipe Cleaner	9409H-1358-4	7930-01-508-2117	4 - 1 GL/case	None	Manual, mop & bucket
	Leading Edge Spray and Wipe Cleaner	9409G-1358	7930-01-508-2113	5 GL	None	Manual, mop & bucket

Table 4-1

Authorized Ready-to-Use Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
American Cleaning Solutions Customer Assistance: 1 (866) 883-3562 Web Site: www.americancleaning.com	TUFF JOB	TJ-00401	7930-01-331-1507	12-32oz BT/case	None	Spray bottle
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.birsch.com	Spray & Wipe	1745603	7930-01-508-2745	1 GL	None	Spray Bottle
	Spray & Wipe	1745608	7930-01-508-3231	4 - 1 GL/case	None	Trigger spray bottle, mop and bucket, etc
	Spray & Wipe	1745604B	7930-01-508-3215	12 QT/ case	None	Trigger spray bottle, mop and bucket, etc
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	SB-D'stroyer	SB2004-23	7930-01-521-3733	24 -1 L BT/case	None	Spray bottle
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	Orange Muscle Plus	FLORGP-RTU	6850-01-522-4919	12-32 oz/case	None	Spray Bottle

Table 4-1

Authorized Ready-to-Use Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Johnson Wax Professional Customer Assistance: 1 (800) 558-2332 Web Site: www.johnsondiversey.com	Glance Glass and Surface Cleaner	4789	7930-01-508-3243	4 - 1 GL/case	None	Trigger spray bottle, mop and bucket, etc
	Glance Glass and Surface Cleaner	4705	7930-01-381-5921	12 - 32oz BT/case	None	Spray bottles
	Stride Citrus Neutral Cleaner	4185	7930-01-508-3213	12 - 32 oz/case	None	Trigger spray bottle, mop and bucket, etc.
Magnolia Marketing Group Customer Assistance: 1 (610) 436-6054 Web Site: www.magnoliamarketing group.com	Citra Kleen	7341	7930-01-508-3227	4 - 1 GL/case	None	Trigger spray bottle, mop and bucket, etc.
	Citra-Kleen	7315	7930-01-508-3217	5 GL pail	None	Trigger spray bottle, mop and bucket, etc.
	Citra-Kleen	7355	7930-01-508-3220	55 GL drum	None	Trigger spray bottle, mop and bucket, etc.
MAK Products Customer Assistance 1 (800) 625-6869 Web Site: www.makenvironmental.com	ECO-MARINE Heavy Equipment and Machine Cleaner/ Degreaser	ECOMAR RTU32	7930-01-508-2116	1 QT	None	Refillable spray bottle

Table 4-1

Authorized Ready-to-Use Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
MAK Products (cont'd)	ECO-100 General Purpose Cleaner Concentrate	ECO100RTU32	7930-01-508-3709	1 QT	None	Refillable spray bottle
Orison Marketing, L.L.C. Customer Assistance: 1 (800) 460-2403 Web Site: www.orisonllc.com	VPW SC-1000 Ready-To-Use (4:1)	VPW-SC-RTU-Q	6850-01-505-7175	6 - 32 oz BT/case	None	Spray Bottle
	VPW SC-1000 Ready-To-Use (4:1)	VPW-SC-RTU-4	6850-01-505-7206	4 - 1 GL/case	None	Trigger spray bottle, mop and bucket, etc.
	VPW SC-1000 Ready-To-Use (4:1)	VPW-SC-RTU-5	7930-01-508-2735	5 GL	None	Trigger spray bottle, mop and bucket, etc.
	VPW SC-1000 Ready-To-Use (4:1)	VPW-SC-RTU-55	7930-01-508-2741	55 GL	None	Trigger spray bottle, mop and bucket, etc.
	VPW SC-1000 Ready-To-Use (4:1)	VPW-SC-RTU-275	6850-01-505-7204	275 GL	None	Trigger spray bottle, mop and bucket, etc.
	EZ Safe Solutions Cleaner RTU (7:1)	VPW-SC-2000-Q	6850-01-505-7198	6 - 32 oz BT/case	None	Spray Bottle

Table 4-1

Authorized Ready-to-Use Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Orison Marketing, LLC (cont'd)	EZ Safe Solutions Cleaner RTU (7:1)	VPW-SC-2000-1s	6850-01-505-7207	4 - 1 GL/case	None	Trigger spray bottle, mop and bucket, etc.
	EZ Safe Solutions Cleaner RTU (7:1)	VPW-SC-2000-5s	6850-01-505-7193	5 GL	None	Trigger spray bottle, mop and bucket, etc.
	EZ Safe Solutions Cleaner RTU (7:1)	VPW-SC-275	6850-01-505-7185	275 GL	None	Trigger spray bottle, mop and bucket, etc.
	EZ Safe Solutions Cleaner RTU (7:1)	VPW-SC-2000-55s	6850-01-505-7187	55 GL	None	Trigger spray bottle, mop and bucket, etc.
Orloff Corp./Computer Bath Customer Assistance: 1 (714) 754-6461 Web Site: www.computerbath.com	Absolutely Clean	ABC-100	6850-01-505-7165	1 GL	None	Trigger spray bottle, mop and bucket, etc.
	Absolutely Clean	ABC-105	6850-01-505-7695	5 GL	None	Trigger spray bottle, mop and bucket, etc.
	Absolutely Clean	ABC-155	6850-01-505-7691	55 GL drum	None	Trigger spray bottle, mop and bucket, etc.

Table 4-2

Authorized Ready-to-Use Glass Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
AE USA (formerly Allied Enterprises) Customer Assistance: 1 (800) 604-4002 Web Site: www.aeusa.com	Leading Edge RTU Glass Cleaner	9409I-1361	7930-01-508-2128	12 - 1 QT/case	None	Spray Bottles
	Leading Edge RTU Glass Cleaner	9409H-1361-4	7930-01-508-2124	4 - 1 GL/case	None	Spray Bottles
	Leading Edge RTU Glass Cleaner	9409G-1361	7930-01-508-2122	5 GL	None	Spray Bottles
	Kleer Vue Glass Cleaner	9409I-0982	7930-01-508-2130	12 - 1 QT/case	None	Spray Bottles
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	See Kleer	SF 1565	7930-01-521-2118	24 - 1 L BT/case	None	Spray Bottles
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	Coast Pacific Sparkle Glass Cleaner	CN402RTU-32	7930-01-521-4200	12 - 1 QT/case	None	Spray Bottles
	Coast Pacific Sparkle Glass Cleaner	CN420RTU-4	7930-01-521-4199	4 - 1 GL/case	None	Spray Bottles

Table 4-2

Authorized Ready-to-Use Glass Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Johnson Wax Professional Customer Assistance: 1 (800) 558-2332 **Web Site:** www.johnsondiversey.com	Glance Glass and Surface Cleaner	4789	7930-01-508-3243	4 - 1 GL/case	None	Spray bottles
	Glance Glass and Surface Cleaner	4705	7930-01-381-5921	12-32 oz BT/case	None	Spray bottles
Spartan Chemical Company, Inc Customer Assistance: 1 (800) 537-8990 Web Site: www.spartanchemical.com	Spartan Glass Cleaner	3261-03	7930-01-418-1159	12-32 oz BT/case	None	Spray bottles
	Spartan Glass Cleaner	3030-04	7930-01-418-1500	4 - 1 GL/case	None	Spray bottles
	Spartan Glass Cleaner	3030-05	7930-01-418-1132	5 GL pail	None	Spray bottles
	Spartan Glass Cleaner	3030-55	7930-1-418-1130	55 GL drum	None	Spray bottles

Table 4-3

Authorized Ready-to-Use Non-Food Contact Disinfectant Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: **www.coast-products.com**	GP Washroom Cleaner	CN804-4	7930-01-521-4194	4-1 GL Bt/case	HM	Spray Bottles
	GP Washroom Cleaner	CN804-5	7930-01-521-4195	5 GL CN	HM	Spray Bottles
	GP Washroom Cleaner	CN804-55	7930-01-521-4197	55 GL drum	HM	Spray Bottles
South Texas Environmental Products Customer Assistance: 1 (512) 255-0888 Email address: step@onr.com Website: None	Ultracide 2300	5075-1	6840-01-521-4924	12 - 34 oz BT/case	HM	Spray Bottles

5.0 AUTHORIZED DISHWASHING/SCULLERY CLEANING PRODUCTS

Dishwashing detergents, rinse additives, etc. are considered common consumer commodities and general household consumable products. All of the submitted dishwashing and scullery cleaning products were evaluated to determine if these products meet the specific TPD requirements for each application. In many instances, these products were determined to be caustic and contain enzyme additives. To date, NEHC has not sanctioned the use of enzymes, bacterial or microbial agents for shipboard use. As a result, cleaning products containing enzyme, bacteria or microbial agents are not authorized for use by this catalog. This evaluation resulted in the authorization of the cleaning products listed in this chapter for use on U.S. Navy surface ships. The applications discussed in this chapter are as follow:

- Dishwasher Detergents
- Dishwasher Rinse Additives
- Deep Sink Pre-Soak Cleaners
- Dishwasher Descalers
- Oven and Grill Cleaners

5.1 Dishwasher Detergents

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 5-1.

5.1.1 Product Description

Dishwasher detergents listed in this section cover solid, liquid, or granular, non-chlorinated, machine dishwashing compounds (without sanitizing properties) suitable for use in dishwashing machines, designed for afloat used by the Navy and equipped with or without detergent dispensing equipment. The compounds are designed to provide clean ware and glasses under heavy soil loads in soft to hard water when used at recommended ware washing conditions.

5.1.2 Related Safety, Health, and Environmental Hazards

- Avoid skin or eye contact with detergent concentrate. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing dust and/or vapors from these concentrates.

- Use concentrated detergents only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All dishwasher detergent concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system having a concentrate reservoir, the detergent concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 5 - 1

Authorized Dishwasher Detergents

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	Super Bowl III	1755756	7930-01-369-2527	4 – 10 LB box/case	C, HM	Manufacturer's Dispensing System
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Solid Power	12948	7930-01-350-6442	4 - 9 LB/box	C, HM	Manufacturer's Dispensing System
	Solid Power	10371	7930-01-152-7072	6 - 9 LB/box	C, HM	Manufacturer's Dispensing System
	Solid Fusion	16890	7930-01-494-0906	4 – 6.75 LB/box	C, HM	Manufacturer's Dispensing System
	Super Trump	12740	7930-01-521-6205	4 - 1 GL/case	C, HM	Manufacturer's Dispensing System
	Super Trump	12757	7930-00-229-8541	5 GL pail	C, HM	Manufacturer's Dispensing System

Table 5 - 1

Authorized Dishwasher Detergents

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Encore	2806160	7930-01-521-6210	4 - 11 LB units/case	C, HM	Manufacturer's Dispensing System
	Applause Washware Detergent	2806135	7930-01-521-6207	4 - 8 LB units/case	C, HM	Manufacturer's Dispensing System
	Performance Warewash Detergent	2806145	7930-01-521-6209	4 - 8 LB units/case	C, HM	Manufacturer's Dispensing System

5.2 Dishwasher Rinse Additives

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 5-2.

5.2.1 Product Description

Dishwasher rinse additives listed in this section cover a low-foaming solid or liquid rinse additive concentrate for use in the final rinse cycle of a mechanical dishwashing machine equipped with a suitable rinse injector device for Navy shipboard application.

5.2.2 Related Safety, Health, and Environmental Hazards

- Avoid skin or eye contact with rinse additives. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these additives. Consult the product MSDS for specific guidance.

- Avoid breathing dust and/or vapors from these additives.

- Use rinse additive concentrates only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All rinse additive concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- If used in a dispensing system concentrate reservoir, the additive concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 5 - 2

Authorized Dishwasher Rinse Additives

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	Brite Rinse Additive	1048503	7930-01-363-2821	4 - 1 GL/case	HM	Manufacturer's dispensing system
	Brite Rinse Additive	1048501	7930-01-521-3735	5 GL CN	HM	Manufacturer's dispensing system
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Jet Dry (liquid)	11817	7930-01-046-0163	4 - 1 GL/case	HM	Manufacturer's dispensing system
	Crystal Fusion (solid)	16810	7930-01-494-0913	2 - 2.5 LB/case	HM	Manufacturer's dispensing system
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Clarity	2806827	7930-01-521-4198	2 - 5 LB/case	HM	Manufacturer's dispensing system

5.3 Deep Sink Pre-Soak Cleaners

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 5-3.

5.3.1 Product Description

Deep sink pre-soak cleaners listed in this section cover Navy shipboard requirements for liquid or powder pre-soak cleaners (without sanitizing properties). Certain commercial cleaners are known to contain enzyme removal agents. To date, the Navy Environmental Health Center (NEHC) has not sanctioned the use of enzymes, bacterial or microbial agents for shipboard use. As a result, pre-soak cleaning products containing enzyme, bacteria or microbial agents are not authorized for use by this catalog.

5.3.2 Related Safety, Health, and Environmental Hazards

- Avoid skin or eye contact with pre-soak concentrated cleaners. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing mists, dust, and/or vapors from these cleaners.

- Use concentrated cleaners only as prescribed on the container label. Ensure that the concentrate is diluted in accordance with the manufacturer's directions.

- **All deep sink pre-soak concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 5-3

Authorized Deep Sink Pre-Soak Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	Soil Boss, Liquid	1746503	7930-01-521-3738	4 - 1 GL/case	HM	None
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Liquid Assure	11486	7930-00-077-8376	4 - 1 GL/case	HM	None
	Silver Fusion	16870	7930-01-494-0068	3 - 4 LB	HM	None

5.4 Dishwasher Descalers

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 5-4.

5.4.1 Product Description

Dishwasher descalers listed in this section cover a liquid form of scale removing compound intended for removing scale deposits from environmental surfaces, commercial dishwashing machines, and boiler coils. This compound can be used in laboratories, food handling and process areas.

5.4.2 Related Safety, Health, and Environmental Hazards

- Avoid skin or eye contact with the dishwasher descaling solutions. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing vapors from descaler concentrates.

- Use descalers only as prescribed on the container label. Ensure that the descaler concentrate is diluted in accordance with the manufacturer's directions.

- **All dishwasher descaler concentrates shall be disposed of as Used/Excess HM**. All unused or expended diluted solutions shall be neutralized and disposed of in accordance with instructions provided in Navy Ship Technical Manual (NSTM) 593, Pollution Control.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with NSTM 593, Pollution Control.

Table 5-4

Authorized Dishwasher Descalers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Lime-A-Way	12021	7930-01-092-5313	4 - 1 GL/case	A, HM	None
	Solid Lime-A-Way	15905	7930-01-521-6604	6 - 1.33 liter	A, HM	None
INTEK Marine Technology, LLC Customer Assistance: 1 (866) 273-1177 Web Site: www.intekmarine.com	INTEK-CSR	CSR-08	7930-01-521-6611	8 LB pail	A, HM	None
	INTEK-CSR	CSR-50	7930-01-521-6607	50 LB pail	A, HM	None
	INTEK-CSR	CSR-400	7930-01-521-6608	400 LB drum	A, HM	None
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Lime Go	113004	7930-01-412-1017	4 - 1 GL/case	A, HM	None
	Lime Go	113001	7930-01-521-6614	1 GL	A, HM	None

5.5 Oven and Grill Cleaners

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 5-5.

5.5.1 Product Description

Oven and grill cleaning compounds listed in this section cover two types of commercially available oven cleaners suitable for removing heavy, baked-on grease and carbonized soil deposits on grills, ovens, fryers, other kitchen equipment (including stainless steel), and vertical and horizontal surfaces where such deposits might occur. Type 1 is an aerosol oven cleaner while Type 2 represents a liquid or gel.

5.5.1 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where cleaning compounds are being used.

- Avoid skin or eye contact with the cleaner spray or liquid. If contact is made, flush affected area with copious amounts of water. Wear chemical worker goggles and rubber gloves when handling these compounds. Consult the product MSDS for specific guidance.

- Avoid breathing vapors from these cleaning compounds.

- Avoid using aerosol spray near heat source or open flame.

- Use concentrated oven cleaners only as prescribed on the container label. Ensure that the oven cleaner is used in accordance with the manufacturer's directions.

- **All unused oven cleaners shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 5-5

Authorized Oven & Grill Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	Champion Sprayon Oven Cleaner	5177	7930-01-521-3737	12 - 20 oz/case	C, HM	Type I Aerosol Spray
	Oven Cleaner & Degreaser	1591788	7930-01-363-2882	4 - 1 GL/case	C, HM	Type 2 Liquid/Gel
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Oven Kleen	OV1225	6850-01-440-1499	12 - 20 oz/case	C, HM	Type I Aerosol spray
Coast Products, Inc. Customer Assistance: 1 (808) 593-8709 Web Site: www.coast-products.com	Coast Volcanic Oven Cleaner	CN470RTU-32	7930-01-521-6194	12 - 1QT BT/case	C, HM	Type 2 Trigger Spray
	Coast Volcanic Oven Cleaner	CN470RTU-4	7930-01-521-6193	4 - 1 GL/case	C, HM	Type 2 Liquid/Gel

Table 5-5

Authorized Oven & Grill Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Greasestrip	17152	7930-00-028-8424	4 - 1 Gl/case	C, HM	Type 2 Liquid/ Gel
	Greasestrip Plus	29777	7930-01-418-1229	6 - 32 oz/case	C, HM	Type 2 Liquid/ Gel
	Greasestrip Plus	19505	7930-01-418-1231	4 - 1 GL/case	C, HM	Type 2 Liquid/ Gel
	Grease Exxpress Fast Foam Degreaser	10126	7930-01-521-6195	6 - 32 oz/case	C, HM	Type 2 Liquid/ Gel
	Grease Exxpress Fast Foam Degreaser	10123	7930-01-521-6196	4 - 1 GL/case	C, HM	Type 2 Liquid/ Gel
Native American Sales, NA. Customer Assistance 1 (256) 851-2281 Web Site: www.native-american-sales.com	Native Pride Oven Cleaner	87004001	7930-01-521-7965	4 - 1 GL/case	C, HM	Type 2 Liquid/ Gel

Table 5-5

Authorized Oven & Grill Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Quest Chemical Corp. Customer Assistance: 1 (800) 231-0454 Web Site: www.questchemicalcorp.com	Tufstuff	No. 283	7930-01-521-7973	12 -32 oz CN/ case	C, HM	Type I Aerosol spray
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Degreez	107577	7930-01-521-7966	12 - 20 oz CN/case	C, HM	Type I Aerosol spray
	Degreez	107575	7930-01-521-7968	12 - 1 QT BT/case	C, HM	Type 2 Liquid/Gel
Werth Sanitary Supply Co. Inc. Customer Assistance: 1 (619) 562-2555 Web Site: www.werthsanitary.com	Foaming Oven Cleaner	1100755	7930-01-400-1417	12-32 oz CN/case	C, HM	Type 2 Liquid/Gel

6.0 AUTHORIZED MISCELLANEOUS CLEANERS

The miscellaneous cleaners, i.e., air fresheners, furniture polish, etc., covered in this section are considered common consumer commodities and general household consumable products. These cleaning products were evaluated to determine if the submitted products meet specific TPD requirements for each application. Since these cleaners are used in relatively small quantities during normal usage, the impact on the environment is considered minimal. Health, safety, and cleaning performance issues were primary concerns while conducting each product review. This evaluation resulted in the authorization of the cleaning products listed in this chapter for use on U. S. Navy surface ships. The applications discussed in this chapter are as follows:

- Air Fresheners/Deodorizers
- Furniture Polishes
- Carpet Cleaners
- Metal Polishes

6.1 Air Fresheners/Deodorizers

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 6-1.

6.1.1 Product Description

Air fresheners/deodorizers listed in this section covers air fresheners which shall eliminate odors from stale cigarette and cigar smoke, urine and fecal matter, vomit, food spillage, garbage, cooked foods and perspiration. These deodorizers are intended to be used in berthing spaces, heads, washrooms, and general habitability areas. This category does not include air deodorizers in aerosol cans or deodorant cakes/solids used in toilets and urinals. Two types of air fresheners are included in the category: odor counteractant in a gel matrix, and a liquid concentrate deodorizer. Air deodorizer gels present a minimum risk to the end user when used according to manufacturer's directions.

6.1.2 Related Safety, Health, and Environmental Hazards

- Avoid skin or eye contact with the liquid concentrate deodorizer. If contact is made, flush affected area with water. Wear chemical worker goggles and rubber gloves when handling these concentrates. Consult the product MSDS for specific guidance.

- Avoid breathing vapors from the air freshener/deodorizer concentrates.

- Use air fresheners/deodorizers only as prescribed on the container label. Ensure that the air fresheners/deodorizers are used in accordance with the manufacturer's directions.

- If used in a dispensing system concentrate reservoir, the concentrate shall only be with the manufacturer-authorized dispensing system. **The concentrate may not be used with another manufacturer's dispensing system.**

- **All unused liquid concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
AlfaKleen Chemical Laboratories, Inc. Customer Assistance: 1 (800) 676-0059 Website: www.alfakleen.com	AK-045 Scent Magic	Rain	7930-01-521-1692	12 - 32 oz/box	HM	Manual Dilution
	AK-045 Scent Magic	Rain	7930-01-521-2128	4-1GL/box	HM	Manual Dilution
	AK-045 Scent Magic	Rain	7930-01-521-2126	5 GL CN	HM	Manual Dilution
	AK-045 Scent Magic	Rain	7930-01-521-2124	55 GL drum	HM	Manual Dilution
	AK-045 Scent Magic	Spring Floral	7930-01-521-1696	12-32 oz/box	HM	Manual Dilution
	AK-045 Scent Magic	Spring Floral	7930-01-521-2125	4-1 GL/box	HM	Manual Dilution
	AK-045 Scent Magic	Spring Floral	7930-01-521-2127	5 GL CN	HM	Manual Dilution
	AK-045 Scent Magic	Spring Floral	7930-01-521-2131	55 GL drum	HM	Manual Dilution
	AK-045 Scent Magic	Strawberry	7930-01-521-1693	12-32 oz/box	HM	Manual Dilution
	AK-045 Scent Magic	Strawberry	7930-01-521-2129	4-1 GL/box	HM	Manual Dilution
	AK-045 Scent Magic	Strawberry	7930-01-521-2121	5 GL CN	HM	Manual Dilution
	AK-045 Scent Magic	Strawberry	7930-01-521-2122	55 GL drum	HM	Manual Dilution

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
AlfaKleen (cont'd)	AK-045 Scent Magic	HollyBerry	7930-01-521-1694	12 - 32 oz/box	HM	Manual Dilution
	AK-045 Scent Magic	HollyBerry	7930-01-521-2123	4-1 GL/box	HM	Manual Dilution
	AK-045 Scent Magic	HollyBerry	7930-01-521-2120	5 GL CN	HM	Manual Dilution
	AK-045 Scent Magic	HollyBerry	7930-01-521-2114	55 GL drum	HM	Manual Dilution
	AK-045 Scent Magic	Pina Colada	7930-01-521-1698	12 - 32 oz/box	HM	Manual Dilution
	AK-045 Scent Magic	Pina Colada	7930-01-521-2117	4-1 GL/box	HM	Manual Dilution
	AK-045 Scent Magic	Pina Colada	7930-01-521-2132	5 GL CN	HM	Manual Dilution
	AK-045 Scent Magic	Pina Colada	7930-01-521-2130	55 GL drum	HM	Manual Dilution
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Big Guy	BG 1618	7930-01-521-3740	48 - 2 oz/case	None	Gel

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Quik Fill 720	62380153	7930-01-418-1379	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Scents-It	61185393	6840-01-359-9206	48 pk/case	None	Gel
	Musketeer Jr. Citrus	61400319	6840-01-408-247	24 - 5 oz/case	None	Gel
	Oasis 272 – Juniper Splash	13560	7930-01-521-4544	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 274- Ocean Wave	13555	7930-01-521-4538	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 274- Ocean Wave	13731	7930-01-521-4533	15 GL	HM	Manual Dilution
	Oasis 276 – Garden Potpourri	19836	7930-01-379-5469	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab (cont'd)	Oasis 276 – Garden Potpourri	18978	7930-01-521-4545	15 GL	HM	Manual Dilution
	Oasis 277 – Forest Fresh	19869	7930-01-379-5755	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 277 – Forest Fresh	14027	7930-01-436-8031	15 GL	HM	Manual Dilution
	Oasis 283 Appleberry	17105	7930-01-442-5847	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 284 Summer Linen	22768	7930-01-521-4535	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 285 Smoke Guard	22770	7930-01-521-4549	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	#110 Lemon	260776	7930-01-521-4539	12/box	None	Gel
	#111 Apple	260775	7930-01-521-4543	12/box	None	Gel
	#114 Spring Garden	260777	7930-01-521-4547	12/box	None	Gel
	Refresh	154832	7930-01-398-0865	12 – 1 QT/case	HM	Manual Dilution
	Refresh	154801	7930-01-521-4550	1 GL	HM	Manual Dilution
	Refresh	154804	7930-01-398-0866	4 – 1 GL/case	HM	Manual Dilution
	Bubblegum	155032	7930-01-521-4551	12 – 1 QT/case	HM	Manual Dilution
	Bubblegum	155001	7930-01-521-4546	1 GL	HM	Manual Dilution
	Bubblegum	155004	7930-01-398-0864	4 - 1 GL/case	HM	Manual Dilution

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Quattro Brands Customer Assistance: 1 (800) 618-7701 Web Site: www.ForceOut Products.com	ForceOut Odor Eliminator	FOEC - 101	6840-01-521-4936	1 GL	HM	Manual Dilution
	ForceOut Odor Eliminator	FOEC - 105	6840-01-521-4944	5 GL pail	HM	Manual Dilution
	ForceOut Odor Eliminator	FOEC - 1015	6840-01-521-4941	15 GL drum	HM	Manual Dilution
	ForceOut Odor Eliminator	FOEC – 1030	6840-01-521-4949	30 GL drum	HM	Manual Dilution
	ForceOut Odor Eliminator	FOEC - 1050	6840-01-521-4951	55 GL drum	HM	Manual Dilution
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Fragrance Pak	Apple Orchard 54100	6840-01-378-4593	12-70g paks/case	None	Gel
	Fragrance Pak	Apple Orange Spice 101050	7930-01-521-7967	12-70g paks/case	None	Gel
	Fragrance Pak	Morning Fresh-101053	7930-01-521-7600	12-70g paks/case	None	Gel
	Fragrance Pak	Lavender Bouquet-101047	7930-01-521-7609	12-70g paks/case	None	Gel

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
State Industrial Products (cont'd)	Fragrance Pak	French Vanilla 54125	6840-01-393-8436	12-70g paks/case	None	Gel
	Fragrance Pak	Cinnamon-54115	6840-01-422-3193	12-70g paks/case	None	Gel
	Fragrance Pak	Citrus Grove 54105	6840-01-381-1794	12-70g paks/case	None	Gel
	Fragrance Pak	Cherry Blossom 106479	7930-01-521-7607	12-70g paks/case	None	Gel
	Kontrol SE	103781	6840-01-521-4932	12-1 QT BT/case	HM	Manual Dilution
	Kontrol SE	103815	6840-01-521-4925	6-1 GL BT/case	HM	Manual Dilution
	Kontrol SE	107916	6840-01-521-4931	5 GL drum	HM	Manual Dilution
	Kontrol SE	103817	6840-01-521-4935	20 GL drum	HM	Manual Dilution
	Kontrol SE	103818	6840-01-521-4940	55 GL drum	HM	Manual Dilution

Table 6-1

Authorized Air Fresheners/Deodorizers

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Technichem Corp. Customer Assistance: 1 (800) 635-8930 Web Site: www.technichemcorp.com	Odor Sorb	No. 1120-4	6840-01-521-4201	4 – 1 GL BT/case	HM	Manual Dilution
	Odor Sorb	No. 1120-12	6840-01-521-4945	12- 1 QT BT/case	HM	Manual Dilution
	Odor Sorb	No. 1120-5	6840-01-521-4946	5 GL pail	HM	Manual Dilution
	Odor Sorb	No. 1120-55	6840-01-521-4950	55 GL drum	HM	Manual Dilution
Tri-3 Chemical Systems Customer Assistance: 1 (888) 321-5332 Web Site: none	STAT	STAT-1	7930-01-521-4938	1 GL	HM	Manual Dilution
	STAT	STAT-5	7930-01-521-4943	5 GL	HM	Manual Dilution
Werth Sanitary Supply Co., Inc. Customer Assistance: 1 (619) 562-2555 Web Site: www.werthsanitary.com	Fresh-N-Clean Air Freshener & Deodorizer	100310	7930-01-440-7604	12 – 1 QT BT/case	HM	Manual Dilution
	Fresh-N-Clean Air Freshener & Deodorizer	100312	7930-01-440-0253	4 – 1 GL/case	HM	Hydro Accudose or Manual dlilution

6.2 Furniture Polishes

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 6-2.

6.2.1 Product Description

The furniture polishes listed in this section cover two types of commercially available furniture polishes suitable for cleaning and polishing wood and metal furniture: Type I - aerosol and Type 2 - liquid.

6.2.1 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where polishes are being used, if possible.
- Avoid contact with eyes. If contact is made, flush affected area with water.
- Avoid breathing vapors from the aerosol cans.
- **Avoid using aerosol cans near heat source or open flame**.
- Use furniture polish as described on the container label. Ensure that the furniture polish is used in accordance with the manufacturer's directions.
- **All unused furniture polish shall be disposed of as Used/Excess HM**.
- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 6-2

Authorized Furniture Polishes

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	Champion Sprayon Furniture Polish	5136	7930-01-521-3734	12 -20 oz/case	F, HM	Type I Aerosol spray
	Lemon Furniture Polish	1728484	7930-01-521-1697	12 - 1 QT/case	HM	Type 2 Liquid
	Lemon Furniture Polish	1728463	7930-01-521-3736	4 - 1 GL/case	HM	Type 2 Liquid
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Hi –Brite	HB 1664	6850-01-421-6352	24-18 oz CN/case	C, F, HM	Type I Aerosol spray
	Hi-Brite	HB 1665	7930-01-521-3741	24 - 1 L/case	HM	Type 2 Liquid
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Radiance	10120	7930-01-521-6606	12 - 17 oz/case	F, HM	Type I Aerosol Spray

Table 6-2

Authorized Furniture Polishes

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Pro-Tex-All	178532	7930-01-521-6613	12 - 1 QT/case	HM	Type 2 Liquid
	Pro-Tex-All	178501	7930-01-521-6610	1 GL	HM	Type 2 Liquid
	Pro-Tex-All	178504	7930-01-521-6609	4 - 1 GL/case	HM	Type 2 Liquid
	Pro-Tex-All	178505	7930-01-521-6612	5 GL pail	HM	Type 2 Liquid
	Lemon Oil	178201	7930-01-521-6615	1 GL	HM	Type 2 Liquid
	Lemon Oil	178204	7930-01-398-0862	4 - 1 GL/case	HM	Type 2 Liquid
	Lemon Oil	178232	7930-01-398-0861	12 – 1 QT/case	HM	Type 2 Liquid
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Lemon Sense	100513	7930-01-521-7608	12-18 oz CN/case	F, HM	Type I Aerosol spray

6.3 Carpet Cleaners

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 6-3.

6.3.1 Product Description

The carpet cleaners listed in this section cover commercially available cleaning compound liquid concentrates for cleaning rugs and upholstery.

6.3.2 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where carpet cleaners are being used.
- Avoid contact with eyes. Wear chemical worker goggles and rubber gloves when handling these concentrates. If contact is made, flush affected area with water.
- Use carpet cleaner concentrates as described on the container label. Ensure that the carpet cleaner is used and diluted in accordance with the manufacturer's directions.
- If used in a dispensing system concentrate reservoir, the concentrate shall only be used with the manufacturer-authorized dispenser. **The concentrate may not be used with another manufacturer's dispensing system.**
- **All carpet cleaner concentrates shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.
- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 6-3

Authorized Carpet Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Birsch Customer Assistance: 1 (888) 622-0356 Web Site: www.supplythenavy.com www.Birsch.com	Super Foam Carpet Shampoo	1756353	7930-01-521-4187	4 – 1 GL/case	HM	Manual
	Super Foam Carpet Shampoo	1756357	7930-01-521-1697	5 GL container	HM	Manual
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Revitalize 201	61495000	7930-01-521-6197	4 – 1 GL/case	HM	Manual
	Oasis 604	14211	7930-01-521-6199	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Oasis 609	14226	7930-01-521-6200	2.5 GL	HM	Control Tower IV Select Four Oasis Ultra 1
	Revitalize 701	61495022	7930-01-521-6198	12- -22 oz/case	HM	Manual
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Liquid Steam Cleaner	154001	7930-01-521-6208	1 GL	HM	Manual

Table 6-3

Authorized Carpet Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
	Liquid Steam Cleaner	154004	7930-01-398-0863	4 – 1 Gl/case	HM	Manual
South Texas Environmental Products Customer Assistance: 1 (512) 255-0888 Email address: step@onr.com Website: None	Liquid Extract	2020-1	7930-01-521-7969	4 –1 GL/case	HM	Accudose, DEMA, or Knight
	Liquid Extract	2020-4	7930-01-521-7964	5 GL pail	HM	Accudose, DEMA, or Knight
	Clean	2010-1	7930-01-521-7970	4 – 1 GL/case	HM	Accudose, DEMA, or Knight
	Clean	2010-4	7930-01-521-7971	5 GL pail	HM	Accudose, DEMA, or Knight
	Clean	2010-6	7930-01-521-7972	55 GL drum	HM	Accudose

6.4 Metal Polishes

Products determined to comply with this product description and authorized for use on Navy surface ships are included in Table 6-4.

6.4.1 Product Description

Metal polishes in this section cover liquid combination cleaner-polishers with a tarnish preventive for use on brass, brass alloys, copper, chrome, or nickel.

6.4.2 Related Safety, Health, and Environmental Hazards

- Ensure that general ventilation is in operation in the vicinity where metal polishes are being used.

- Avoid contact with eyes. Wear chemical worker goggles and rubber gloves when handling these concentrates. If contact is made, flush affected area with water.

- Use metal cleaners as described on the container label. Ensure that metal polishes are used in accordance with the manufacturer's directions.

- **All metal polishes shall be disposed of as Used/Excess HM**. This disposal requirement does not pertain to unused or used solutions diluted in accordance with manufacturer's directions.

- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 6-4

Authorized Metal Polishes

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Hi-Brite	HB1665	7930-01-521-3741	24 - 1 L/box	HM	Manual
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Brite Touch	2610012	7930-01-398-0859	12 - 1 QT/case	HM	Manual
	Brite Touch	2610001	7930-01-398-0860	4 - 1 GL/case	HM	Manual
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Champ	25195	7930-01-521-7602	12 - 1 QT BT/case	HM	Manual
Ralrube, Inc. Customer Assistance: 1 (800) 663-4057 Web Site: www.chemsol.com	Metal Polish	A-A-105 TY1	7930-00-266-7136	12 - 1 PT CN/case	HM	Manual

7.0 HAND SOAPS AND CLEANERS

Hand soaps listed in this section cover commercially available liquid and powdered soaps typically used in soap dispensers. The powdered hand soap products consist of soap and borax (with or without lanolin) to remove heavy occupational soils, such as, oils and greases. The waterless hand cleaners consist of a cream/gel or lotion used for removing grease and industrial soils and may be used with or without a manual dispensing system. All products in this category are considered common consumer commodities and afford minimum risk to the user. The Naval Environmental Health Center (NEHC) has stated that hand soaps/cleaners are considered eye and/or skin irritants. These hand soaps and cleaners are listed on the Ship's Hazardous Materials List (SHML) to ensure Material Safety Data Sheets (MSDSs) are available for these products, if needed.

7.1 Product Description

The types of hand soaps/cleaners include:

Liquid Hand Soaps
Powdered Hand Soaps
Waterless Hand Cleaners

Products determined to comply with these product descriptions and authorized for use on Navy surface ships are included in Tables 7-1, 7-2, and 7-3.

7.2 Related Safety, Health, and Environmental Hazards

- Avoid eye contact with the hand soap. If contact is made, flush affected area with water.
- All empty plastic containers shall be carried to the solid waste room for disposal in the plastic waste processor (PWP) in accordance with Navy Ship Technical Manual (NSTM) 593, Pollution Control.

Table 7-1

Authorized Liquid Hand Soaps

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Ecolab Institutional Division Customer Assistance: 1 (800) 35-CLEAN Web Site: www.ecolab.com	Clean & Smooth Liquid	15271	8520-01-521-4203	16 - 450 mL/case	None	Ecolab hand soap dispenser
	Clean & Smooth Liquid	15875	8520-01-521-4202	4 - 1 GL/case	None	Ecolab hand soap dispenser
	Digiclean Mild Gel	23510	8520-01-521-4205	8 - 950 mL/case	None	Ecolab hand soap dispenser
	Digiclean Mild Foam	23671	8520-01-521-4206	6 - 750 mL/case	None	Ecolab hand soap dispenser
	Surgi Bac	18945	8520-01-521-4204	4 - 1 GL/case	None	Ecolab hand soap dispenser
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Antimicrobial Lotion Soap	310108	7930-01-415-2925	12 - 800 mL/case	None	Maintex Hand soap dispenser
	Almond Skin Cleanser	310103	7930-01-415-2923	12 - 800 mL/case	None	Maintex Hand soap dispenser
	PRO-LINK Industrial Grit Cleaner	GWH500	8520-01-521-6206	2 - 5000 mL/case	None	Maintex Hand soap dispenser

Table 7-1

Authorized Liquid Hand Soaps

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Hands On	52090	8520-01-521-9593	6-3L /case	None	State Industrial hand soap dispenser
	Hands On	52096	8520-01-521-8858	8-675mL BT/case + 2 dispensers	None	State Industrial hand soap dispenser
	Hands On Apple Orchard	103022	8520-01-521-8856	12-675 mL BT/case	None	State Industrial hand soap dispenser
	Hands On Apple Orchard	103023	8520-01-521-8859	12-675 mL BT/case + 2 dispensers	None	State Industrial hand soap dispenser
	Hands On Morning Fresh	103026	8520-01-521-8861	12-675 mL BT/case	None	State Industrial hand soap dispenser
	Hands On Morning Fresh	103027	8520-01-521-8860	12-675 mL BT/case + 2 dispensers	None	State Industrial hand soap dispenser

Table 7-2

Authorized Powdered Hand Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Maintex Customer Assistance: 1 (800) 261-4456 Web Site: www.maintex.com	Borax Handsoap	264050	8520-01-521-6202	5 LB box	None	Maintex Hand soap dispenser
	Borax Handsoap	264052	8520-01-521-6201	10 - 5 LB box/case	None	Maintex Hand soap dispenser
	Pink Powdered Borax Hand Soap (lanolin)	264151	8520-01-521-6203	5 LB box	None	Maintex Hand soap dispenser
	Pink Powdered Borax Hand Soap (lanolin)	264150	8520-01-521-6204	10 - 5 LB/case	None	Maintex Hand soap dispenser

Table 7-3

Authorized Waterless Hand Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
Cantol Customer Assistance: 1 (800) 4-CANTOL Web Site: www.cantol.com	Creotion Plus	CP0927	8520-010521-1689	6 - 6.6 LB/case	None	Manual
	Ora Cream	OM0631-12	8520-01-521-2115	12 - 16 oz tubes/ case	None	Manual
	Ora Cream	OM0631-4	8520-01-521-2116	4 - 1 GL/case	None	Manual
Quest Chemical Customer Assistance: 1 (800) 231-0454 Web Site: www.questchemicalcorp.com	Soothe	No 681-12	8520-01-521-8855	12 - 22 oz tubes/case	None	Manual
	Soothe	No. 681-6	8520-01-521-8857	6 - 4.5 LB CN/case	None	Manufacturer's dispensing system
State Industrial Products Customer Assistance: 1 (866) 573-4468 Web Site: www.stateindustrial.com	Citro-Blast	52052	8520-01-521-8854	18 - 1 PT BT/case	None	Manual
	Citro-Blast	52042	8520-01-521-8851	6 - 3 L BT/case	None	Manufacturer's dispensing system
	Citro-Blast	52041	8520-01-521-8852	4 - 3 L BT/case + 2 dispensers	None	Manufacturer's dispensing system

Table 7-3

Authorized Waterless Hand Cleaners

Company / Phone / Internet Address	Product Name	Manufacturer Part Number	NSN	Unit of Issue	Precautions	Dispensing System
State Industrial Products (cont'd)	Scrub	52045	8520-01-521-8863	18 - 1 PT BT/case	None	Manual
	Scrub	52070	8520-01-521-8862	6 - 3 L BT/case	None	Manufacturer's dispensing system
	Scrub	52074	8520-01-521-8864	4 - 3 L BT/case + 2 dispensers	None	Manufacturer's dispensing system

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