

Technical Purchase Description (TPD) for Liquid Toilet Soaps

1. Scope

This technical purchase description (TPD) covers commercially available liquid toilet soap used in liquid soap dispensers.

2. Units of Issue

The liquid soap shall be available in the following units of issue:

12-32 oz cartridges per box (liter cartridges also acceptable)

12-27 oz cartridges per box (800 mL cartridges also acceptable)

(The liquid toilet soaps are not limited to the units of issue listed above. The cartridge size will be dependent upon the manufacturers dispensing system.)

3. Requirements

3.1 Physical/Chemical Requirements.

Toilet soaps shall conform to the requirements of Table 1, when tested as specified in ASTM D 460.

Table 1. Physical and chemical requirements

Property	Requirements		ASTM D 460
	Minimum	Maximum	Test Section
Anhydrous soap (as potash, percent)	15.0	----	Section 21-22
Free alkali (as KOH, %)	----	0.05	Section 27-29
Free Acid (as oleic acid, %)	----	1.0	Section 18
Matter insoluble in water, %	----	0.1	Section 19
Unsaponified plus Unsaponifiable matter, percent	----	0.6	Sections 30-32
Acid number (mg KOH/g fatty acids)	215	---	Sections 45-46

3.2 Finished product

The liquid toilet soap shall be a uniform solution, free of sediment and foreign materials. The addition of fragrance to the liquid toilet soap is optional.

3.3 Dilution

The liquid toilet soap shall be ready to use in the contract manufacturer's soap dispenser system.

3.4 Prohibited Materials

3.4.1 Carcinogens and Toxins

The materials used in the liquid soap shall not contain any known or suspected human carcinogens in concentrations equal to or greater than 0.1% (by weight) as defined in: Code of Federal Regulations 29 CFR 1910.1000 Series, Occupational Safety and Health Administration (OSHA) Subpart Z Regulated Carcinogens/Toxic and Hazardous Substance List (latest edition); International Agency for Research on Cancer (IARC) Groups 1, 2A, and 2B (latest edition); and the latest annual report of the National Toxicology Program's (NTP) of Known to be Human Carcinogens, and Reasonably Anticipated to be Human Carcinogens.

3.4.2 Reproductive Hazards

The materials used in the liquid soap shall not contain the following occupational reproductive hazardous chemicals if used in concentrations equal to or greater than 0.1 percent (by weight): acetohydroxamic acid, aminopterin, arsenic, benomyl, benzene, bromoxynil, cadmium, carbon disulfide, carbon monoxide, chlordecone, cyanazine, cycloheximide, cyhexatin, dinocap, dinoseb, 1,2-dibromo-3-chloropropane, m-dinitrobenzene, o-dinitrobenzene, p-dinitrobenzene, epichlorohydrin, ethylene glycol monoethyl ether, ethylene glycol monoethyl ether acetate, ethylene glycol monomethyl ether, ethylene monomethyl ether acetate, ethylene oxide, hexachlorobenzene, hydroxurea, lead, mercury and mercury compounds, methyl bromide, methyl mercury, nickel carbonyl, polybrominated biphenyls, polychlorinated biphenyls, 2,3,7,8-tetrachloro-dibenzo-para-dioxin, toluene, and warfarin and any other chemical species listed in OPNAVINST 5100.23, Chapter 29, Appendix 29-B. The most current version of the instruction can be obtained from the internet website: <http://www.navosh.net>.

3.5 Hazardous Waste

The liquid hand soap shall not be classified as a hazardous waste in accordance with 29 CFR 1910.1200.

3.6 Shelf Life. The hand soap shall have a minimum shelf life of 36 months.

3.7 Material Safety Data Sheets (MSDS). The contracting activity shall be provided a material safety data sheet with each contract bid/proposal or prior to contract award. The MSDS shall be provided in accordance with the requirements of FED-STD-313 and 29 CFR 1910.1200, Hazardous Communication Standard. The MSDS shall be included with each shipment of the material covered by this TPD. The MSDS must be the most current version for the product.

4. Regulatory Requirements.

The contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

5. Quality Assurance Provisions

5.1 Contractor Certification

The product provided shall meet the TPD requirements and conform to the producer's own drawings, specifications, standards, and quality assurance practices and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market Acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this TPD:

- a) The company furnishing the hand cleaner must have been producing a product meeting the requirements of this technical purchase description for at least 6 months.
- b) The Government reserves the right to require proof of such conformance.

6. Preparation for Delivery

The item(s) shall be packaged and packed in accordance with the latest revision of ASTM D 3951, Standard Practice for Commercial Packaging unless otherwise specified in the contract.

7. Source of Documents

7.1 Copies of ASTM test methods should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

7.2 Copies of the Code of Federal Regulations (CFR) and Federal Acquisition Regulation (FAR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Website: HYPERLINK <http://www.access.gpo.gov/nara/cfr/cfr-table-sarch.html>.

7.3 Copies of all IARC publications are available directly from IARC Press, 150 Cours Albert Thomas, F-69372 Lyon cedex 08, France (Fax: +33 4 72 73 83 02; E-mail press@iarc.fr).

7.4 Copies of the most recent Annual Report on Carcinogens may be obtained from the U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program, P.O. Box 12233, Research Triangle Park, NC 27709. Website: HYPERLINK <http://ntp-server.niehs.nih.gov/NewHomeRoc/AboutRoC.html>

7.5 OPNAVINST 5100.23, Chapter 29, Appendix 29-B. The most current version of the instruction can be obtained from the internet website: <http://www.navosh.net>.

