

INCH-POUND

MIL-A-22262B(SH)

AMENDMENT 1

30 September 1994

MILITARY SPECIFICATION

ABRASIVE BLASTING MEDIA
SHIP HULL BLAST CLEANING

This amendment forms a part of MIL-A-22262B(SH), dated 5 April 1993, and is approved for use by the Naval Sea Systems Command, Department of the Navy and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 4

3.2, Line 4: Delete after "media" and substitute "equal or exceed 0.1 percent by weight of the material".

PAGE 5

3.4.7: Delete and substitute:

"3.4.7 Crystalline silica. The manufacturer shall certify that when evaluated in accordance with 4.5.9, the crystalline silica content shall not equal or exceed 0.1 percent by weight. Crystalline silica shall not be intentionally added to the abrasive media."

PAGE 6

3.4.12.1: Delete and substitute Parts of TABLE II:

Delete:

"Cobalt and/or its compounds -0.80 Maximum"
"Nickel and/or its compounds -0.10 Maximum"

Add:

"Cobalt (carcinogenic forms) and/or its carcinogenic compounds - 0.09 Maximum"
"Nickel (carcinogenic forms) and/or its carcinogenic compounds - 0.09 Maximum"

PAGE 8

3.4.12.3.2, Line 8: Delete "0.005" and substitute "equal or exceed 0.1".

Line 14: Delete after "shall not" to include the remainder of the sentence and substitute "equal or exceed 0.1 percent by weight of the abrasive media unless specifically stated lower in this document (see 6.3)."

3.4.14: Add after last sentence: "When feasible, a warning label conforming to 29 CFR 1910.1200 (OSHA Hazard Communication Standard) shall be affixed to each package."

MIL-A-22262B(SH)
AMENDMENT 1

PAGE 14

4.5.11.2(b), Line 1: Delete "Freon" and substitute "A nonozone depleting solvent"

4.5.11.2(e), Line 1: Delete "Freon" and substitute "A nonozone depleting solvent"

4.5.11.3(b), Line 1: Delete "Freon" and substitute "A nonozone depleting solvent"

PAGE 16

4.6: Delete and substitute:

"4.6 Toxicological assessment of product. To determine conformance to requirements of 3.4.7 and 3.4.12.3, the manufacturer of the abrasive blasting media shall disclose the formulation of this product to the Navy Environmental Health Center, Code 34, 2510 Walmer Avenue, Norfolk, VA 23517-2617. The disclosure of proprietary information, which shall be held in confidence shall include: the name, formula, Chemical Abstract Service (CAS) No., and approximate percentage by weight of each ingredient in the product (totalling 100 percent); the results of any toxicological testing of the product; identification of its pyrolysis products; and any other information as may be needed to permit an accurate appraisal of any toxicity problem or issues associated with the handling, storage, application, use, removal, disposal, or combustion of the material. Where possible, CAS numbers should be provided for all ingredients in the formulation. A current MSDS and Hazardous Chemical Warning Label, conforming to the provisions of the OSHA Hazard Communication Standard, shall be provided for each product. In addition, the manufacturer shall provide a current MSDS for each ingredient used in the formulation. Within 30 days prior to data submission, the manufacturer shall contact the supplier of each ingredient, and confirm each MSDS submitted is current. A statement documenting this contact shall be affixed to each ingredient MSDS, and indicate: (1) the date of the contact and (2) the name of the company representative, with telephone number, who confirmed the MSDS was current. The OSHA Form 20 is obsolete, therefore all MSDS must be submitted on an OSHA Form 174, or an equivalent form containing the identical data elements. Where available, copies of the industrial hygiene reports, which address potential health hazards related to working with the material, are also to be submitted as part of the package. Information pertaining to any adverse health effects experienced by company workers during research and development and manufacture of the product, and industrial experience with the product by major commercial users, is also requested. All data provided must be clearly identified to show it is being provided in connection with qualification under MIL-A-22262B(SH)."

PAGE 18

6.8, Line 4: Delete "and Naval Medical Command Reports".

PAGE 21

30.1(a): Delete and substitute:

"(a) Certification that the abrasive media does not contain the following metals or known or suspected carcinogenic compounds of these metals (as listed by IARC, NTP, OR OSHA) in concentrations equal to or exceeding 0.1 percent by weight (as supplied for use): lead, arsenic,

MIL-A-22262B(SH)
AMENDMENT 1

beryllium, cobalt, cadmium, chromium, and nickel. The manufacturer shall also certify that the product unless specific material maximum levels are cited herein does not have as listed by OSHA, IARC, or NTP any known or suspected carcinogens intentionally added to the abrasive mix and when known or suspected carcinogens are/may be present, as a result of being a trace/impurity in another ingredient(s) the concentration of the agent in the final product must not equal or exceed 0.1 percent by weight of the abrasive media unless specifically stated lower in the document."

30.1(d): Delete and substitute:

"(d) A statement of the recommendation provided by the Navy Environmental Health Center Toxicity Assessment in 4.6."

Preparing activity:
Navy - SH
(Project 5350-N035)