

INCH - POUND

A-A-59387

December 4, 2003

## COMMERCIAL ITEM DESCRIPTION

### REMOVER, POLYURETHANE/EPOXY PAINT

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This commercial item description covers two types of a liquid, aqueous or solvent-type paint remover suitable for removing epoxy and polyurethane primers and topcoats from aluminum, titanium, magnesium, and ferrous surfaces of aircraft components by various methods.

#### 2. CLASSIFICATION.

##### 2.1 Type.

Type I: Suitable for immersion applications in a heated tank

Type II: Suitable for immersion applications in an ambient tank

Type III: Suitable for brush, flow and spray applications

##### 2.2 Class.

Class 1 – Sealed

Class 2 - Unsealed

#### 3. SALIENT CHARACTERISTICS.

The paint remover furnished under this description shall be a product, which has passed the requirements as specified herein. Qualification in accordance with the latest version of MIL-PRF-83936, MIL-PRF-81294, and ADS-61-PRF shall be accomplished by the review of vendor supplied certified test data and product technical information. Where there are conflicts with qualification requirements, the requirements of ADS-61-PRF shall take precedence. The paint remover shall be compatible with aircraft alloys of aluminum, titanium, magnesium and steel. Loosened paint and spent remover shall be easily removed by water rinsing. The stripped surface shall be easily cleaned with aqueous or solvent cleaning methods after stripping to prepare for subsequent processing. The paint remover shall meet a 1-year extended storage stability requirement (SAE-AMS-1375). Reapplication of the paint remover is acceptable to remove residual paint.

Army Aviation and Missile Command, ATTN: AMSRD-AMR-SE-TD, Redstone Arsenal, AL 35898-5000.

AMSC N/A

FSC 8010

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

### 3.1 Quantitative Requirements.

The paint remover shall be subjected to the following tests in accordance with the latest version of ADS-61-PRF:

- a. Total Immersion Corrosion requirements
- b. Stock Loss Corrosion Test
- c. Low-Embrittling Cadmium Plate Corrosion Test
- d. Sandwich Corrosion Test
- e. Hydrogen Embrittlement Test
- f. Stress Corrosion requirements.

The paint remover shall be subjected to the test for dissimilar metal corrosion in accordance with the latest version of SAE-AMS-1375.

The paint remover shall not harm special coatings (i.e., anodic coating, chemical conversion coating).

3.2 Materials. The formulation of the paint remover shall be optional with the supplier but shall contain no chlorinated solvents, chromates, cresols, cresylic acid, cyanides, naphthalenes, phenols or phenol derivatives. The paint remover shall not contain any known carcinogens and shall have no adverse effect on the health of personnel when used for its intended purpose. The paint remover shall be a liquid at ambient temperature, and shall contain no materials which are corrosive under applicable conditions.

3.3 Flash Point. The flash point of the paint remover shall be minimum of 140° F and shall also be a minimum of 30° F above the recommended operating temperature. The paint remover shall remove not less than 90% of all paint from a substrate within one hour of application without brushing.

## 4. REGULATORY REQUIREMENTS.

4.1 The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4.2 The paint remover shall allow the government to remain compliant with environmental and safety requirements including limits for emissions of Volatile Organic Compounds (VOCs) and Hazardous Air Pollutants (HAPs).

4.3 All Superfund Amendments and Reauthorization Act (SARA) Title III listed chemicals along with Chemical Abstract Service (CAS) number shall be included in the appropriate section of the Material Safety Data Sheet (MSDS). Percent composition shall be reported to an accuracy of 10% in the MSDS.

## 5. PRODUCT CONFORMANCE

5.1 Product Conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's 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 Qualified Products. Qualified products shall remove the following coatings: MIL-PRF-22750, MIL-C-46168, MIL-C-53039, MIL-DTL-64159, MIL-PRF-85582, MIL-PRF-85285, MIL-P-53022, MIL-P-53030, and MIL-PRF-23377.

5.3 Quality Assurance Provisions. The quality assurance provisions shall be in accordance with AMS SAE-1374 and the latest version of ADS-61-PRF.

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

5.4.1 The manufacturer of the item must have been producing a product meeting the requirements of this CID for at least two years.

5.4.2 The company must have sold at least 1000 units meeting this CID in the commercial market place over the past two years.

## 6. PACKAGING

The preservation, packaging, labeling and marking shall be as specified in the contract or order. As a minimum, product lots shall be available in bulk and in 55 gallon drums.

## 7. NOTES

7.1 Preferences. The paint remover process may consist of two separate solutions, but a single solution product is preferred. Consideration for two solution processes include purchase and maintenance costs, environmental, health, and performance factors.

### 7.2 Source of Documents

7.2.1 Unless otherwise indicated, copies of military specifications, standards, and handbooks are available from the Standardization Document Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.

7.2.2 Unless otherwise indicated, copies of ADS documents are available from the U.S. Army Research, Development and Engineering Command, AMSRD-AMR-SE-TD, Redstone Arsenal, Alabama 35898-5000.

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7.2.3 SAE documents may be obtained from the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

Military Interests:

Custodian

Army – AV

Navy – AS

AF – 11

Review Activity

Army – MR

Navy – CG, SH

AF – 84,99

Civil Agency Coordinating Activities:

GSA – 6FEE

Preparing Activity:

Army – AV

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