

[METRIC]
A-A-59281
8 March 1999
SUPERSEDING
MIL-C-38736B
27 April 1993

COMMERCIAL ITEM DESCRIPTION

CLEANING COMPOUND, SOLVENT MIXTURES

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

1. **SCOPE.** This commercial item description (CID) covers two blends of mixed cleaning solvent for use in final cleaning of chemically treated aluminum alloy surfaces and solvent resistance coatings prior to application of chemical treatments or integral fuel tank sealants.

2. **CLASSIFICATION.** The cleaning solvent mixtures shall be of the following types as specified (see 7.3):

Type I - Normal solvent blend

Type II - Non-photochemically reactive solvent blend

3. SALIENT CHARACTERISTICS

3.1 Solvent blend composition. The composition of the cleaning compound solvent blends for each type shall be in accordance with table I.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent by letter to: Defense Supply Center Richmond (DSCR), ATTN: DSCR-VBD, 8000 Jefferson Davis Highway, Richmond, VA 23297-5610.
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AMSC N/A

FSC 6850

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

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TABLE I. Chemical composition.

Component	Specification	Percent by volume	
		Type I	Type II
Aromatic naphtha	TT-N-97 Type I, Grade B	50.0 ± 2.0	None
Ethyl acetate	TT-E-751	20.0 ± 1.0	35.5 ± 1.0
Methyl ethyl ketone	ASTM D740	20.0 ± 1.0	36.0 ± 1.0
Isopropanol	TT-I-735	10.0 ± 1.0	10.0 ± 1.0
Toluene	A-A-59107	None	18.5 ± 1.5

3.2 Chemical formulation requirements.

3.2.1 Type I. Aromatic content shall not exceed 50.0 ± 2.0 percent when tested using an applicable GC or GC/MS procedure. Alternative procedure for verification of requirement is American Society for Testing and Materials (ASTM) D 1319.

3.2.2 Type II. Solvent mixture shall be a non-photochemically reactive solvent blend. A non-photochemically reactive solvent is any solvent with an aggregate of less than 20 percent of its total volume composed of the following percentage composition limitations, referred to the total volume of solvent:

- a. A combination of hydrocarbons, alcohols, aldehydes, esters, ethers, or ketones having an olefinic or cycloolefinic type of unsaturation: less than 5 percent.
- b. A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethyl benzene: less than 8 percent.
- c. A combination of ethyl benzene, ketones having branched structures, trichloroethylene or toluene: less than 20 percent.
- d. Total (a) + (b) + (c): less than 20 percent.

3.3 Non-volatile residue (both types). Non-volatile residue shall not exceed 0.0010 percent by weight when tested in accordance with ASTM D 2109, method A.

4. REGULATORY REQUIREMENTS

4.1 Marking, packaging, and labeling. Material shall be labeled, packed, and marked in accordance with Title 49, Code of Federal Regulations (CFR) paragraphs 100 to 185.

4.2 Recycled materials. 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).

4.3 Material safety data sheet (MSDS). An MSDS shall be prepared and furnished in accordance with 29 CFR, paragraph 1910.1200.

5. QUALITY ASSURANCE PROVISIONS

5.1 Product conformance. The product provided shall meet the salient characteristics of this commercial item description, 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 item offered must have been sold to the government or commercial market.

6. PACKAGING

6.1 Routine preservation, packing, and marking requirements shall be as specified in the contract or order.

6.2 Special markings.

6.2.1 On type II product only, all containers shall be labeled or marked "Non-photochemically Reactive."

6.2.2 The following information shall be marked on each container:

Storage Life is Eighteen Months When Stored in Original Unopened Containers Below 36.7 °C. Material is Hygroscopic and Should be Stored in Dry, Covered, Storage Areas.

7. NOTES. This section contains information of a general or explanatory nature that is helpful, but is not mandatory.

7.1 Source of documents.

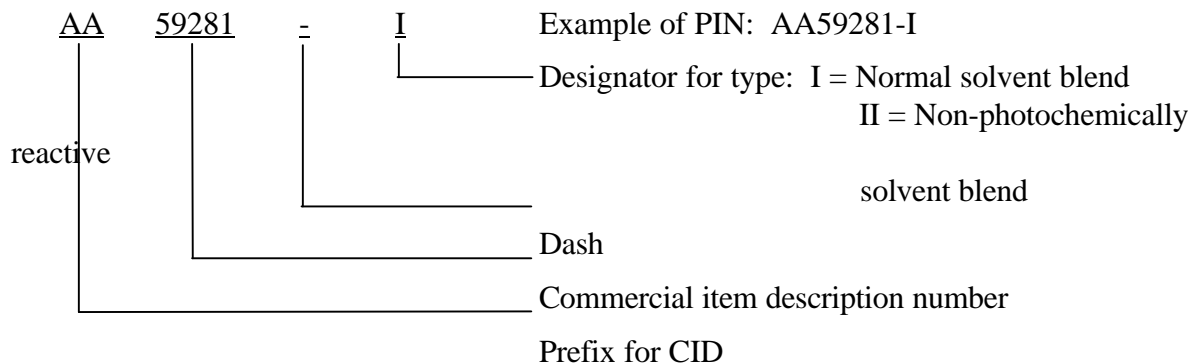
7.1.1 Copies of government specifications referenced in this CID may be obtained from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.

7.1.2 ASTM standards and specifications are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

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7.1.3 The CFR and FAR may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-0001.

7.2 Part identification number (PIN). The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor.



7.3 Ordering data. Acquisition documents must specify the following:

- Title, number, and date of this CID.
- Type solvent required (see 2).
- Unit and quantity required.
- Packaging requirements (see 6).
- Special markings, if required.

7.3 National stock number (NSN). The NSNs listed in table II correspond to this CID. They may not be indicative of all possible NSNs associated with this document.

TABLE II. Solvent mixture NSNs.

NSN	Type I	Type II
6850-00-538-0929	X	
6850-00-611-7993	X	
6850-01-016-3482	X	
6850-01-383-2103		X
6850-01-383-2117		X
6850-01-383-2171		X
6850-01-383-2377		X

7.4 Subject term (key word) listing.

Aromatics
Ethyl acetate
Methyl ethyl ketone
Naphtha
Non-photochemically reactive

MILITARY INTERESTS:

Custodian
Air Force - 68

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 10FTE

Preparing Activity:

DLA - GS

(Project 6850-1190)