

**NOT MEASUREMENT SENSITIVE**

A-A-59601C  
2 February 2007  
 SUPERSEDING  
 A-A-59601B  
 4 April 2003

**COMMERCIAL ITEM DESCRIPTION****DRY CLEANING AND DEGREASING SOLVENT, PD680**

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 hydrocarbon solvents used in the dry cleaning and coatings industries and in the military for degreasing and cleaning painted or unpainted metal parts.

2. **CLASSIFICATION.** The dry cleaning solvent shall be of the following types and sizes listed below.

2.1 **Type.** The type of cleaning solvent shall be as specified (see 7.3(b)).

Type I - Regular (Stoddard solvent)

Type II - High flash point

Type III - Low odor with very high flash point (200 °F or more)

2.2 **Size.** The solvent unit of issue size shall be one of the coded sizes listed in table I (see 7.3(c)).

TABLE I. Product size.

Size code	Size/unit of issue
A	Bulk
B	4 ounce
C	1-pint can
D	1 quart
E	1 gallon
F	5-gallon can
G	55-gallon drum

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to: STDZNMGT@dla.mil or Defense Supply Center Richmond (DSCR), ATTN: DSCR-VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616.

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### 3. SALIENT CHARACTERISTICS

3.1 Properties. The solvent shall have the properties listed in table II.

TABLE II. Dry cleaning and degreasing solvent properties.

Characteristics	Test method	Type I	Type II	Type III
Flash point, °C, min.	ASTM D 56	38.0 (100 °F)	60.0 (140 °F)	93.3 (200 °F)
Distillation, °C: Initial boiling point, min. 50% recovered Dry point, max.	ASTM D 86	149 Report 208	177 Report 211	220 Report 295
Aniline point, °C	ASTM D 611	57 to 74	57 to 74	73 to 89
Kauri-butanol value	ASTM D 1133	29 to 45	29 to 45	27 to 45
Allowable constituents, (% by volume) <sup>1</sup> : (a) Solvent with olefinic or cyclo-olefinic unsaturation, max. (b) Aromatic compounds with eight or more carbon atoms, except ethylbenzene, max. (c) Total of ethylbenzene, toluene and branched chain ketones, max. (d) Total of (a) + (b) + (c), max.	FED-STD-141, method 7356.1	5  8  20  20	5  8  20  20	0.8  0.8  1  1
Total chlorine content (ppm), max. <sup>2</sup>		100	100	100
Total phenol content (ppm), max.	EPA 420.1	0.5	0.5	0.5
Apparent specific gravity, 60/60 °F	ASTM D 1298	0.754 to 0.820	0.754 to 0.820	0.754 to 0.820
Non-volatile residue (mg/100 ml), max.	ASTM F 331	10	10	10
Color, min.	ASTM D 156	25	25	30
Odor <sup>3</sup>	ASTM D 1296	Characteristic and non- residual	Characteristic and non- residual	Low and non- residual
Corrosion, copper, max.	ASTM D 130	2a	2a	2a
Acidity	ASTM D 847	Neutral	Neutral	Neutral
Doctor test	ASTM D 235	Negative	Negative	Negative
Vapor pressure, torr at 20 °C, max.	ASTM D 2879	--	--	0.40
Viscosity, cSt at 25 °C, max.	ASTM D 445	--	--	5.0

<sup>1</sup>Type I and II maximum limits are as defined in Rule 102, South Coast Air Quality Management District regulations.

<sup>2</sup>The total chlorine content of the solvent shall be determined by a gas chromatographic method, microcoulometric method, or by the use of a portable test kit for the quantitative analysis of chlorine.

<sup>3</sup>Samples of A-A-59601 having satisfactory odor characteristics shall be used as reference standards.

3.2 Appearance. The solvent shall be clear and free from suspended matter and undissolved water when observed between 15.6 °C and 25.6 °C (60 °F and 78 °F).

3.3 Materials. The hydrocarbon solvent shall be a virgin grade or recycled solvent derived from petroleum distillates, fractions from reclaiming and re-refining processes, or a mixture of these fractions. The resultant solvent must be produced in such a manner as is necessary to meet the specified requirements.

3.4 Toxicity and carcinogenicity. The solvent shall have no adverse effect on human health when used as intended. The solvent shall contain no chemicals listed as carcinogens. Any carcinogenic components in the solvent in a concentration of 0.1 percent or greater by weight or by volume will be regarded as the presence of a carcinogen in the solvent.

#### 4. REGULATORY REQUIREMENTS

4.1 Recovered 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).

4.2 Material safety data sheet (MSDS). An MSDS shall be prepared and furnished in accordance with Title 29 Code of Federal Regulations (CFR), part 1910.1200, "Hazard Communication", and submitted as directed in the contract or order at time of acquisition award.

#### 5. PRODUCT CONFORMANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance.

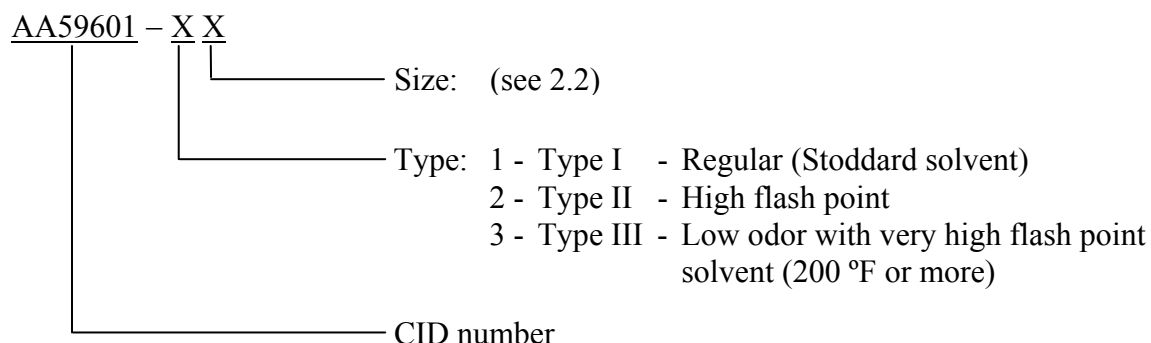
5.2 Market acceptability. The product offered must have been previously sold either to the government or on the commercial market.

#### 6. PACKAGING

6.1 Preservation, packing, and marking. Preservation, packing, and marking shall be as specified in the acquisition order (see 7.3(d)).

#### 7. NOTES

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



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## 7.2 Sources of documents.

7.2.1 CFR and FAR. Copies of CFR and FAR may be obtained from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Electronic copies of CFR documents may be obtained from <http://www.access.gpo.gov/>. Electronic copies of FAR documents may be obtained from <http://www.arnet.gov.far/>.

7.2.2 Federal specifications and standards. Copies of federal specifications and standards may be obtained from General Services Administration, Federal Supply Service, Specification Section, 470 East L'Enfant Plaza SW, Suite 8100, Washington, DC 20407. Electronic copies of federal specifications and standards may be obtained from <http://assist.daps.dla.mil>.

7.2.3 EPA methods. EPA methods are available on the Internet at <http://www.epa.gov/>.

7.2.4 SCAQMD rules. South Coast Air Quality Management District rules are available at <http://www.aqmd.gov/>.

7.2.5 ASTM standards. Copies of ASTM standards may be obtained from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959. Electronic copies of ASTM standards may be obtained from <http://www.astm.org/>.

7.3 Ordering data. The acquisition order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Type (see 2.1).
- c. Size and unit of issue (see 2.2).
- d. Preservation, packing, and marking (see 6.1).

7.4 International standardization agreement. Certain provisions of this CID are the subject of international standardization agreement NATO STANAG 1135 Annex C. When revision or cancellation of this CID is proposed that will modify the international agreement concerned, the preparing activity will take appropriate action through international standardization channels, including departmental standardization offices, to change the agreement or make other appropriate accommodations.

## 7.5 Intended use.

7.5.1 Type I. Type I (Stoddard solvent) is intended for use as dry cleaning solvent. When used indoors, ventilation shall be sufficient to prevent the accumulation of vapors above required exposure limits.

7.5.2 Type II. Type II (high flash point solvent) is intended where a solvent with a higher flash point is desired. It is recommended over type I for safety and regulatory reasons. When type II solvent is used indoors, ventilation shall be sufficient to prevent the accumulation of vapors above required exposure limits.

7.5.3 Type III. Type III (low odor with very high flash point solvent) is intended for use where confined atmospheric conditions require a cleaner that conforms to the Federal Government's directives for reducing hazardous materials.

7.6 National stock number (NSN). The list of assigned NSNs in table III corresponds to this CID. The list may not be indicative of all possible NSNs associated with the CID.

TABLE III. Dry cleaning and degreasing solvent NSNs.

Assigned NSN	Type	Size	Military symbol/NATO code
6850-00-264-9039	I	Bulk	N/A <sup>1</sup>
6850-00-281-3061	I	4 ounce	N/A
6850-00-664-5685	I	1 quart	N/A
6850-00-281-1985	I	1 gallon	N/A
6850-00-264-9038	I	5-gallon can	N/A
6850-00-285-8012	I	55-gallon drum	N/A
6850-00-637-6135	II	Bulk	N/A
6850-00-110-4498	II	1-pint can	N/A
6850-00-274-5421	II	5-gallon can	N/A
6850-00-285-8011	II	55-gallon drum	N/A
6850-01-331-3349	III	5-gallon can	N/A
6850-01-331-3350	III	55-gallon drum	N/A

<sup>1</sup>Not applicable

#### 7.7 Subject term (key word) listing.

hydrocarbon  
petroleum distillates  
Stoddard

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MILITARY INTERESTS:

Custodians:

Navy - AS

Air Force - 68

Preparing Activity:

DLA - GS3

(Project 6850-2006-010)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at <http://assist.daps.dla.mil>.