



Designation: D 4757 – 98

Standard Practice for Placarding Solvent Vapor Degreasers¹

This standard is issued under the fixed designation D 4757; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

1. Scope

1.1 This practice is intended to provide warnings, first aid, and operating instructions for posting on vapor degreasers.

1.2 These warnings are intended to supplement other specific warnings applicable to the actual solvent or equipment in use.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

D 3698 Practice for Solvent Vapor Degreasing Operations²
D 4276 Practice for Confined Area Entry²

2.2 OSHA Regulations:

29 CFR 1910.1000 OSHA Department of Labor Subpart Z, Toxic and Hazardous Substance, Permissible Exposure Limits³

2.3 ACGIH Documents:

TLV-TWA Threshold Limit Values—Time Weighted Averages⁴

3. Significance and Use

3.1 Since the operation of a vapor degreaser involves the use of halogenated hydrocarbons, it is important that a solvent vapor degreaser be properly labeled to convey the health hazards of the solvent in use.

3.2 This practice is useful in providing general warning and operating instructions for posting on solvent vapor degreasers.

3.3 The following paragraphs outline items to be included on vapor degreaser placards.

¹ This practice is under the jurisdiction of ASTM Committee D-26 on Halogenated Organic Solvents and Fire Extinguishing Agents and is the direct responsibility of Subcommittee D26.05 on Industrial Hygiene.

Current edition approved May 10, 1998. Published March 1999. Originally published as D 4757 – 87. Last previous edition D 4757 – 97.

² *Annual Book of ASTM Standards*, Vol 15.05.

³ Available from the Superintendent of Documents, Government Printing Office, Washington, DC 20402.

⁴ Available from the American Conference of Governmental Industrial Hygienists, 6500 Glenway Ave., Bldg. D-7, Cincinnati, OH 45211-4438.

3.4 Any specific or additional information should be requested from the supplier.

4. General Requirements

4.1 Vapor degreaser placarding may also be subject to applicable federal, state, and local laws and regulations.

4.2 Placards should be posted on the vapor degreaser in a prominent place(s), accessible to workers using the equipment.

5. Requirements for Warning Statements

5.1 Post the following general warning statements on the solvent vapor degreaser:

5.1.1 **This Machine Contains: (Name of Solvent).**

5.1.2 **Warning! Vapor Harmful**

5.1.3 **Avoid Prolonged or Repeated Breathing of Vapor.** High vapor concentrations may cause unconsciousness or death.

5.1.4 **Use Only with Adequate Ventilation.** Ventilation must be sufficient to limit vapor exposures below established OSHA or ACGIH levels, or the solvent manufacturer's suggested health guidelines. Eye irritation and dizziness are indications of overexposure.

5.1.5 **Do Not Cut or Weld on or Near This Machine,** unless all solvent has been drained and the equipment aired out. Fire or explosion can result.

5.1.6 **Do Not Enter This Machine Unless Proper Tank Entry Procedures Are Followed.** Refer to Practice D 4276 for detailed procedure.

5.1.7 **Do Not Take Internally.** Swallowing may cause injury, illness, or death.

5.1.8 **Avoid Prolonged or Repeated Contact with Skin.** Contact may cause skin irritation and dermatitis.

5.1.9 **Do Not Get in Eyes;** Will cause discomfort and irritation.

5.1.10 **Do Not Smoke in the Vicinity of This Machine.**

5.1.11 **Consult Material Safety Data Sheet for Additional Information.**

6. First Aid

6.1 Post first aid instructions on the solvent vapor degreaser.

6.1.1 Consult supplier Material Safety Data Sheet or label for appropriate first aid statements.