



MATERIAL SAFETY DATA SHEET

Product: WINDSHIELD WASHER CONCENTRATE
MSDS #: 3180
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Revised: 03/27/00
Replaces: 01/07/99
Printed: 03/27/00

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company:
HVC, Inc.
4600 Dues Drive
Cincinnati, OH 45246
(513) 714-5242

Emergency Telephone Numbers:
*Transportation:
** Chemtrec: (800) 424-9300
*Emergency Health & Safety Information:
** HVC, Inc: (513) 714-5264

Product Name: Windshield Washer Concentrate
Synonyms: None

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name (s)	CAS Registry No.	% WT	TWA (ppm)	STEL (ppm)	SOURCE	CARCIN OGEN?
Methanol	67-56-1	99	200	250(s)	OSHA	No

(s) - Skin notation

3. HAZARDS IDENTIFICATION

Primary Routes of Entry: Skin contact, eye contact, inhalation, ingestion

Skin Contact: Prolonged or widespread exposure of skin may result in the absorption of harmful amounts of methanol. Prolonged contact may also cause reddening and defatting of the skin.

Eye Contact: May cause mild redness and swelling of the conjunctiva, with transient superficial injury of the cornea.

Inhalation: May cause dizziness, drowsiness, headaches, nausea, confusion, disturbances of vision, and tingling, numbness, and shooting pains in the hands and forearms and at high levels death.

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5. FIRE FIGHTING MEASURES (cont'd)

Special Fire Fighting Procedures: Full protective clothing and self-contained breathing apparatus should be worn by all fire personnel. Cool fire exposed containers with water.

Unusual Fire & Explosion Hazards: Decomposition or burning of product can produce hazardous gases or vapors. Containers exposed to heat may build sufficient pressure that can cause container rupture.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Flush with plenty of water to sewer or absorb on a suitable absorbent and place in a closed container for disposal. Extinguish and do not turn on any ignition sources until area is determined to be free from fire or explosion hazards.

Large Spills: Contain spill if possible, contain with absorbent material and collect for reuse if possible. Otherwise collect and place in closed containers for proper disposal.

Neutralizing Materials: Absorbents - clay, sand or commercial absorbents such as Hazorb.

7. HANDLING AND STORAGE

Handling and Storage Precautions:

Danger! Poison.

Keep containers closed when not in use.

Use only with adequate ventilation.

Avoid excessive heat in storage and during use.

Do not reuse empty containers until commercially cleaned of all residues.

This product may generate flammable vapors at temperatures above its flash point.

Other precautions: None known.

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10. STABILITY AND REACTIVITY

Product Stability: Product is stable under normal usage.

Conditions to avoid: Ignition sources such as sparks and open flames.

Chemical Incompatibility: Alkali metals, concentrated nitric and sulfuric acids, aldehydes, acyl chlorides.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and/or formaldehyde may be formed on burning.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

The following data is for the methanol component:

LD₅₀ 5.6 to 13.0 g/kg (oral-rat)

LC₅₀ 64,000 ppm (rat)

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Follow all local, state and federal regulations. Recommend all material be incinerated at an approved facility.

14. TRANSPORT INFORMATION

D.O.T. Proper Shipping Name: Methanol mixture

D.O.T. Hazard Class: 3 (flammable)

D.O.T. Labels Required: Flammable

UN/NA Code: UN 1230

Packaging Group: II

Reportable Quantity Amount: 5,000 lbs.

Latest Revision Date...12/08/94
 Print Date.....12/13/94

Stoddard Solvent

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME..... Stoddard Solvent
 MANUFACTURER'S NAME..... HVC Inc.
 COMPANY ADDRESS..... 4600 Dues Drive
 Cincinnati, Ohio 45246
 COMPANY PHONE NUMBER..... (513)-874-9261
 SYNONYMS..... None.

HAZARD RATING (HMIS)..... HEALTH - 2
 FLAMMABILITY - 2
 REACTIVITY - 0

HMIS DESIGNATION KEY..... N.A.

SECTION 2 HAZARDOUS INGREDIENTS / HAZARD DATA

CHEMICAL NAME(S)	CAS REGISTRY NO.	% WT	TWA (ppm)	STEL (ppm)	SOURCE	CARCIN OGEN?
Solvent naphtha medium aliphatic	64742-88-7	93	100	None	OSHA	NO
Solvent, naphtha, light aromatic	64742-95-6	7	None	None	OSHA	No

SECTION 3 PHYSICAL DATA

BOILING POINT @ 760 mm Hg, °F... 323 to 393
 FREEZING POINT, °F..... N.A.
 pH..... N.A.
 PERCENT VOLATILE BY WEIGHT (%).. 100
 SPECIFIC GRAVITY OR BULK DENSITY 0.797
 SOLUBILITY IN WATER..... < 0.1 per cent
 APPEARANCE AND ODOR..... Clear, water white liquid.
 VAPOR PRESSURE mm Hg @20° C..... 3.1
 VAPOR DENSITY (Air = 1)..... 4.9
 EVAPORATION RATE (BuAc = 1)..... 0.12

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT °F (Test Method).... 113 (TCC)
 AUTOIGNITION TEMPERATURE..... Not determined
 FLAMMABILITY LIMITS IN AIR (% V) LEL 1.0 UEL 6.0
 EXTINGUISHING MEDIA..... Use water fog, foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES Full protective clothing and self-contained breathing apparatus should be worn by all fire personnel. Cool fire exposed containers with water.

SECTION 6

EMERGENCY AND FIRST AID PROCEDURES

CONT'D

INGESTION..... Do not induce vomiting, this product is a aspiration hazard. Get medical attention at once.

SPECIAL NOTES..... None.

SECTION 7

REACTIVITY DATA

PRODUCT STABILITY..... Product is stable under normal usage.
Conditions to Avoid..... Avoid heat, sparks, flames and electrical arcs.

CHEMICAL INCOMPATIBILITY..... Strong oxidizers, bases, acids and amines.

HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide and other hazardous vapor.

HAZARDOUS POLYMERIZATION..... Will not occur.

SECTION 8

SPILL OR LEAK PROCEDURES

SMALL SPILLS..... Soak up with absorbent and place collected material in a closed container for disposal. Use caution as product is flammable and vapors may travel.

LARGE SPILLS..... Immediately evacuate the area. Eliminate all igniton sources. All equipment used in clean-up must be non sparking or grounded. Stop source of leak if possible. Dike and contain. soak up with an absorbent and place in closed containers for disposal. If vapor cloud forms, water fog may be used to suppress. Do not flush material to sewers. Ventilate area thoroughly while and after clean-up.

NEUTRALIZING MATERIALS..... Absorbents - clay, sand or commerical absorbents such as Hazorb.

WASTE DISPOSAL METHODS..... Follow all local, state, and federal regulations. Recommend all material be incinerated at an approved facility.

SECTION 9

SPECIAL PROTECTION INFORMATION

VENTILATION..... Use sufficient local ventilation to maintain exposure below the TLV's listed in section 2.

RESPIRATORY PROTECTION..... Use an NIOSH approved respirator for organic vapors if needed.

EYE PROTECTION..... Chemical splash goggles.

OTHER PROTECTIVE EQUIPMENT..... Rubber gloves and apron. Other protection may be necessary depending on the method of handling. Minimze contact with skin.