



Safety Data Sheet

Issuing Date 12-May-2015

Revision Date 12-May-2015

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Duraflow Windshield Washer Fluid Concentrate

Other means of identification

Product Code(s) 500025

Synonyms No information available

Recommended use of the chemical and restrictions on use

Recommended Use Automotive WWF

Uses advised against All Other Uses

Details of the supplier of the safety data sheet

Distributor

Valor Oil LLC
1200 Alsop Lane
Owensboro, KY 42303
800-544-5823

Emergency telephone number

Emergency telephone number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Eyes: May cause mild irritation.

Skin: May cause mild irritation. Overexposure through skin absorption may add significantly to the overall toxic effect.

Inhalation: Vapors in high concentrations may irritate mucous membranes. May cause drowsiness and dizziness.

Ingestion: Overexposure may be harmful and fatal or cause blindness if swallowed.

EMERGENCY OVERVIEW

Appearance light blue

Physical state viscous liquid

Odor faint ammonia

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %	Trade secret
Methanol	67-56-1	*	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

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

EFFECTS OF ACUTE OVEREXPOSURE:

INHALATION: Excessive breathing of vapors or mists may cause dizziness, nausea.

DO NOT BREATHE VAPORS OR MISTS

EYES: Contact may cause severe temporary irritation, redness, tearing, and blurred vision. Avoid Eye Contact

Skin: Prolonged or repeated contact may cause moderate irritation, redness, itching, and contact dermatitis. May irritate sensitive skin. AVOID SKIN CONTACT.

Ingestion: Swallowing can cause severe gastrointestinal irritation, nausea, vomiting and diarrhea. DO NOT INGEST.

First Aid Measures:

Inhalation: Remove victim to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, start artificial respiration. SEEK MEDICAL ATTENTION

EYE CONTACT: Flush eyes with large volumes of running water, for at least 15 minutes, while lifting eyelids and rolling eyes. If irritation persists. Seek Medical Attention

SKIN CONTACT: Wash exposed area with soap and water. Remove contaminated clothing. If irritation persists. Seek Medical Attention

INGESTION: Immediately drink two glasses of water, and induce vomiting. Never give anything, by mouth, to an unconscious person. SEEK MEDICAL ATTENTION IMMEDIATELY.

5. FIRE-FIGHTING MEASURES

Flash Point (TCC): 51°F/10.5°C

Explosive Limits: Lower (LEL): 6.0% Upper (UEL): 36.0%

Flame Projection (Aerosol): N/A

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of carbon.

Fire and Explosion Hazards: Heat may cause containers to pressurize and burst, greatly increasing the fire hazard. Methanol burns with an invisible flame. Take care entering areas where combustion is suspected. Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back.

Extinguishing Media: Dry chemical, Carbon dioxide, Foam, Water fog. Water may reduce intensity of burning – but may also spread the burning mixture. Water spray should be used to cool containers only.

Fire Fighting Instructions: As in any fire, Firefighters should wear full protective equipment and MSHA/NIOSH-approved self contained breathing apparatus. Use water stream or mist to keep intact containers cool.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Add dry material to contain. Wearing recommended protective equipment, and using explosion proof equipment, remove bulk of liquid; add dry material to absorb remaining liquid; pick up and containerize for product recovery or disposal. Flush area with water; collect rinsate for disposal or sewer as appropriate. Dike spill and absorb on non-flammable sorbent.

Large Spills: Provide ventilation. Eliminate all sources of ignition. Contain spilled liquid.

7. HANDLING AND STORAGE

Keep containers tightly closed when not in use. Store in a cool, dry, secure area away from sources of ignition. Avoid breathing vapor, fumes or mist. Take precautionary measures against static discharge. Do not store near food or water sources. Storage area should

be ventilated if possible. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses with side shields or goggles are recommended.

Skin: Chemical resistant gloves are recommended. .

Respiratory: If TLV is exceeded, use a NIOSH/MSHA approved respirator for organic vapors.

Engineering Controls: Provide adequate ventilation and local exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Other Protective Clothing or Equipment: Long shirt sleeves are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 148°F/64°C

Specific Gravity: 0.796 (H₂O=1)

Vapor Pressure: 96.0 @ 25°C/77°F **Melting Point:** -98°C/-144°F

Vapor Density: 1.1 (Air=1)

Evaporation Rate: 2.10 (n-butyl=1)

Solubility in Water: Complete **pH:** ND

Appearance and Odor: Clear blue liquid with strong, sweet odor

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce oxides of carbon. Combustion can lead to the formation of formaldehyde and/or formic acid.

Chemical Stability: Stable

Incompatibility: Avoid strong oxidizing materials. Keep separate from alkalis. Keep away from acids.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT Methanol, 3, UN 1230, PH II
TDG Available upon request
UN Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): ND

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: None

SARA Title III Section 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA Title III Section 313 Toxic Chemicals: Methanol CAS # 67-56-1 – 6.6 lbs per gallon of United product.

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional

use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.