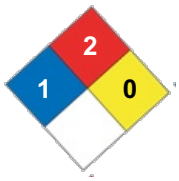
Superclean Brands, Inc.

+22 deg F Splash Windshield Washer Fluid

NFPA



SECTION 1 : Chemical Product and Company Identification

MSDS Name: +22 deg F Splash Windshield Washer Fluid
Manufacturer Name:Superclean Brands, Inc.
Address:

51 East Maryland Avenue
St. Paul, MN 55117-4615

Transportation Emergency (for immediate information about a chemical or to seek assistance from a manufacturer): 1-800-535-5053

Business Phone:(651) 489-8211
Business Fax: (651) 489-8247
For information in North America, call: (651) 489-8211
Manufacturer MSDS Revision Date:

December 12, 2007

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Health: 1
Flammability: 2
Reactivity: 0
Other:

General Use:

Product Use: Used for cleaning windshields

Common Name: Windshield Washer Fluid

Product Identification: Windshield Washer Fluid

NFPA HAZARD RATINGS:
OTHER - NOT APPLICABLE

Product Codes:

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SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	% Weight	
Methanol (Methyl Alcohol)	67-56-1	Approximate Composition: < 8%	

OSHA PEL TWA: ** 200 ppm (260 mg/m3) 8-Hour (Skin)
ACGIH TLV TWA: 200 ppm (260 mg/m3) 8-Hour
ACGIH STEL/Ceiling: STEL: 250 ppm (310 mg/m3) (15-minute) (Skin)
NIOSH REL: 200 ppm (260 mg/m3) 8-Hour
NIOSH STEL/Ceiling: 250 ppm (310 mg/m3) Ceiling (Skin)
Hazardous Paragraph:

Hazardous Component*

Carcinogen Paragraph:

* The hazardous component listed is not a known or suspected human carcinogen as listed or determined by the National Agency for Research on Cancer, National Toxicological Program "NTP Seventh Annual Report on Carcinogens," or International Agency for Research on Cancer (IARC) monograph reviews. In addition, it is not considered a carcinogen by the Occupational Safety and Health Administration or the National Institute for Occupational Safety and Health.

Other Exposure Guidelines:

IDLH (NIOSH): 6,000 ppm (0.6 percent in air)

Comments:

** This MSDS contains the 1989 PEL's and from the June 1993 Air Contaminants Final Rule, specified in Tables Z- 1, Z-2, and Z-3 [Federal Register; 58(124):35338-35351; June 30, 1993].

UN 1230
(DOT Guide 28)

Common Name: Windshield Washer Fluid

Product Use: Used for cleaning windshields

Product Identification: Windshield Washer Fluid

NFPA HAZARD RATINGS:
HEALTH - 1
FLAMMABILITY - 2
REACTIVITY - 0
OTHER - NOT APPLICABLE

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SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:
The windshield washer is blue

Color:
Blue

Odor:
It has a mild characteristic pungent odor from the methanol.

Vapor Pressure:
100 mm @ 21.2 deg (methanol)

Vapor Density:
1.11 (methanol)

Boiling Point:
Approximately 200 deg F (for product)

Freezing Point:
+22 deg F

Solubility:
In Water: Soluble

Odor Threshold:
The odor threshold for methanol is 10 ppm.

FlashPoint:
150 deg F

Auto Ignition Temp:
878 deg F for methanol

Upper Flammable Explosive Limit:
36 percent for methanol

Lower Flammable Explosive Limit:
6 percent for methanol

Ionization Potential: 10.84 cV (methanol)

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SECTION 4 : Fire And Explosion Hazards

Flash Point:
150 deg F

Upper Flammable or Explosive Limit: 36 percent for methanol

Lower Flammable or Explosive Limit: 6 percent for methanol

Auto Ignition Temperature: 878 deg F for methanol

Extinguishing Media:
For Methanol:
Small Fires: Dry chemical, carbon dioxide, water spray or alcohol resistant foam.

Large Fires: Water spray, fog or alcohol-resistant foam.

Fire Fighting Instructions:

Move container away from fire area if you can do so without risk. Dike fire control water for later disposal; do not scatter the material. Apply cooling water to the sides of containers exposed to flames until well after the fire is out.

Unusual Fire Hazards:

For Methanol: Flammable/combustible material; may be ignited by heat, spark or flame. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire. Vapor explosion and poison hazard indoors, outdoors, or in sewers. Runoff to sewer may create fire or explosion hazard.

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SECTION 5 : Health Hazards

Methanol (Methyl Alcohol):

Route of Exposure:

(Methanol): The primary routes of entry are inhalation, ingestion, and absorption.

Potential Health Effects:

(Methanol): Irritant to eyes, skin, and upper respiratory system. Headaches, drowsiness, dizziness, vertigo, light-headed, nausea, and vomiting. Visual disturbance, optic nerve damage, and blindness. Skin exposure hazard.

Eye Contact:

Acute Effects: Eye irritation. Eye contact results in irritation with lacrimation, inflamed lids, and photophobia.

Skin Contact:

Acute Effects: Skin contact results in a cold sensation, dryness, and cracking, possibly leading to dermatitis.

Skin Absorption:

Acute Effects: Methyl alcohol may be absorbed through the skin and may cause headache, fatigue, and visual disturbances.

Inhalation:

Acute Effects: Inhalation can result nose irritation, headache, fatigue, nausea, visual impairment or complete and possible blindness, acidosis, convulsions, circulatory collapse, respiratory fatigue, and death.

Ingestion:

Acute Effects: Ingestion can cause gastrointestinal (GI) irritation followed by the symptoms described for inhalation and possible kidney impairment.

Chronic Eye Contact:a

Chronic exposure may result in visual impairment or blindness.

Target Organs:

Central nervous system, digestive tract, eyes, and skin.

Signs/Symptoms:

(Methanol): Irritant to eyes, skin, and upper respiratory system. Headaches, drowsiness, dizziness, vertigo, light-headed, nausea, and vomiting. Visual disturbance, optic nerve damage, and blindness. Skin exposure hazard.

Aggravation of Pre-Existing Conditions:

Ocular, respiratory, or dermal disorders may be aggravated by methanol exposure.

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SECTION 6 : Emergency And First Aid Procedures

Eye Contact:

Rinse with water 15 to 20 minutes, seek medical assistance.

Skin Contact:

Flush with water for 15 minutes.

Inhalation:

Remove from source to fresh air, provide respiratory support as needed.

Ingestion:

Call Physician, hospital emergency room or Poison Control Center immediately. GET PROMPT MEDICAL ATTENTION.

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SECTION 7 : Reactivity Data

Chemical Stability:

In a closed container, methyl alcohol is stable at room temperature and it is stable under routine handling and storage.

Incompatibilities with Other Materials:

(Material to Avoid): Incompatible with beryllium dihydride; metals; oxidants; potassium tert-butoxide; carbon tetrachloride + metals; dichloromethane. Can react vigorously with oxidizing materials.

Explosive reaction with chloroform + sodium methoxide; diethyl zinc. Violent reaction with alkyl aluminum salts; acetyle bromide; chloroform + sodium hydroxide; CrO3; cyanuric chloride; (I + ethanol + HgO); Pb(ClO4)2; HClO4; P2O3; (KOH + CHCL2); nitric acid. (1)

Hazardous Polymerization:

Hazardous polymerization will not occur.

Hazardous Decomposition Products:

When methanol is heated to decomposition, carbon dioxide and carbon monoxide may be produced, as well as formaldehyde may be produced, and it emits acrid smoke and irritating fumes.

Comments:

(1) Lewis, Richard J., Sr.: Sax's Dangerous Properties of Industrial Materials, Eighth Edition. New York, New York: Van Nostrand Reinhold, 1992.

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SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

- Keep unnecessary people away; isolate hazard area and deny entry.
- Stay upwind; keep out of low areas.
- Shut off ignition sources; no flares, smoking or flames in hazard area.
- Positive pressure self-contained breathing apparatus and chemical protective clothing is recommended for personnel involved in clean-up procedures with no fire.
- Do not walk through spilled material; stop leak if it can be done without risk.
- Water spray may reduce vapor; but it will not prevent ignition in closed spaces.

Waste Disposal:

Dispose of in accordance with federal, state and local regulations.

DOT:

DOT HAZARD DESCRIPTION:
In Inner Packaging not over 5 l (1.3 gallons):
CONSUMER COMMODITY, ORM-D Per 49 CFR 173.150 (b) (3) & 173.150 (c)

Hazardous Component*: Methanol (Methyl Alcohol)
DOT Guide 28

DOT UN Number:

UN 1230

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SECTION 9 : Control Measures

Eye/Face Protection:

Protective Eye Wear: Splash goggles are recommended when handling the solution. Contact lens use is not recommended.

Protective Clothing/Body Protection:

The selection of protective clothing and gloves is dependent upon anticipated exposure. As reported by the manufacturer, Best Glove style 725R (PVC) offers excellent protection for up to 240 minutes of complete immersion.

Respiratory Protection:

Under normal use conditions (outdoor windshield cleaning), respiratory protection is not justified.

Exposure Limits:

OSHA PEL: The Occupational Safety and Health Administration's Permissible Exposure Limit, which is defined as the maximum concentration of contaminant to which a normal healthy individual may be exposed 8-hours per day, 40-hours per week, without experiencing adverse health effects over a working lifetime.

ACGIH TLV: American Conference of Governmental Industrial Hygienist's Threshold Limit Value, similar to the OSHA PEL but not considered a legal standard.

SECTION 10 : Other Information

Methanol (Methyl Alcohol):

Section 302:

SARA Extremely Hazardous Substance (40 CFR 355): Not Listed

Section 304:

CERCLA Hazardous Substance (40 CFR 302.4): Not Listed

Section 313 Toxic Release Form:

SARA Toxic Chemical (40 CFR 372.65): Not Listed

RCRA 261.33 Code: (40 CFR 261.33): Hazardous Waste No. U154

NFPA:

Fire Hazard: 2

Health: 1

Reactivity: 0

MSDS Revision Date:

December 12, 2007

MSDS Author:

Prepared by: Maxim Technologies, Inc.

Disclaimer:

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NFPA HAZARD RATINGS:
OTHER - NOT APPLICABLE