

MATERIAL SAFETY DATA SHEET

Review Date: 01/25/2006

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Rain-X® Plus Windshield Washer Fluid (Spring, Summer & Fall w/Bitrex)

MSDS NUMBER: 403035LU - 0

PRODUCT CODE(S): 410026

PRODUCT USE: Windshield Washer Fluid

MANUFACTURER

SOPUS Products
P.O. Box 4427
Houston, TX. 77210-4427

TELEPHONE NUMBERS

Spill Information: (877) 242-7400
Health Information: (877) 504-9351
MSDS Assistance Number: (877) 276-7285

SECTION 2

PRODUCT/INGREDIENTS

INGREDIENTS

Windshield Washer Fluid

Deionized water

Methanol

CAS#

7732-18-5

67-56-1

CONCENTRATION

95 - 99 %weight

1 - 5 %weight

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance & Odor: Pink liquid. Alcohol odor.

Health Hazards: Causes severe eye irritation. Highly toxic and may be fatal if swallowed. May cause skin irritation. Toxic and harmful if absorbed through the skin. Toxic and harmful if inhaled. May cause CNS depression.

NFPA Rating (Health, Fire, Reactivity): 1, 0, 0

Hazard Rating: Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

Route(s) of Exposure: Eye, Ingestion, Inhalation, Skin

Inhalation:

Toxic and harmful if inhaled. Breathing of high vapor concentrations may cause CNS depression, evidenced by dizziness, light-headedness, headache, nausea, drowsiness, and loss of coordination. Continued inhalation may result in unconsciousness.

Eye Irritation:

Severely irritating to the eyes causing pain, redness, swelling and blurred vision.

Skin Contact:

May be irritating to the skin causing a burning sensation, redness and/or swelling. Toxic and is harmful if absorbed through the skin.

Ingestion:

Highly toxic and may be fatal if swallowed. May cause Central Nervous System (CNS) depression.

Other Health Effects:

Refer to Section 11, Toxicological Information, for specific information on the following effects:

Developmental Toxicity

Signs and Symptoms:

Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness and nausea. In extreme cases, unconsciousness and death may occur.

For additional health information, refer to section 11.

SECTION 4

FIRST AID MEASURES

Inhalation:

If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Skin:

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment. Transport to nearest medical facility for additional treatment.

Eye:

Immediately flush eyes with large amounts of water for at least 30 minutes, by the clock, while holding eyelids open. Transport to nearest medical facility for additional treatment.

Ingestion:

DO NOT take internally. Induce vomiting if exposed person is alert and call a doctor or poison control center. To induce vomiting administer 2 glasses of water and 2 tablespoons of Syrup of Ipecac (1 tablespoon if victim is a child). Keep head below hips while vomiting. DO NOT GIVE LIQUIDS TO A DROWSY, CONVULSING OR UNCONSCIOUS PERSON. Transport to nearest medical facility for additional treatment.

SECTION 5

FIRE FIGHTING MEASURES

Flash Point [Method]: >200 °F/>93.33 °C [Tagliabue Closed Cup]

Upper Flammability Limit: Not Determined

Lower Flammability Limit: Not Determined

Extinguishing Media:

Material will float and can be re-ignited on surface of water. Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water.

Fire Fighting Instructions:

Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. This material is non-flammable.

Unusual Fire Hazards:

Material may ignite when preheated.

SECTION 6**ACCIDENTAL RELEASE MEASURES****Protective Measures:**

HIGHLY TOXIC.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8. Full protective clothing and self-contained breathing apparatus.

Spill Management:

Shut off source of leak if safe to do so. Dike and contain spill.

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Reporting:

U.S. regulations require reporting releases of this material to the environment which exceed the reportable quantity to the National Response Center at (800)424-8802.

SECTION 7**HANDLING AND STORAGE****Precautionary Measures:**

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Do not take internally. Do not taste or swallow. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Handling:

Surfaces that are sufficiently hot may ignite liquid material.

Storage:

Keep liquid and vapor away from heat, sparks and flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors have dissipated. Use explosion-proof ventilation indoors and in laboratory settings.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical	Limit	TWA	STEL	Ceiling	Notation
Methanol	ACGIH TLV	200 ppmv	250 ppmv		Skin
Methanol	OSHA PEL - 1989(revoked)	200 ppmv	250 ppmv		Skin

Exposure Controls

Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Eye washes

and showers for emergency use.

Personal Protection

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection:

Chemical Goggles, or Chemical Goggles / Face Shield

Skin Protection:

Use protective clothing which is chemically resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by:
Neoprene, or Nitrile Rubber

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include:

For Vapors: Air Purifying, R or P style prefilter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus for use in environments with unknown concentrations or emergency situations.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Pink liquid. Alcohol odor.

Substance Chemical Family: Alcohol

Physical State: Liquid

Boiling Point	> 208 °F	Evaporation Rate	2.1
Flash Point	> 200 °F [Tagliabue Closed Cup]	Freezing Point	25 °F
Odor	Alcohol odor.	Specific Gravity	0.99
Stability	Stable	VOC Content	> 3 %weight
Volatility	100		

Odor Threshold: 2000 PPM Volume

Partition Coefficient: Not Determined

pH: 8 - 10.5

SECTION 10

REACTIVITY AND STABILITY

Stability:

Material is stable under normal conditions.

Conditions to Avoid:

Avoid heat and open flames.

Materials to Avoid:

Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Acids, Aldehydes, Carbon Monoxide, Carbon Dioxide, Ketones and other unidentified organic compounds may be formed upon combustion.

SECTION 11	TOXICOLOGICAL INFORMATION
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Acute Toxicity

TEST	Result	OSHA Classification	Material Tested
Dermal LDLo	<1 g/kg(Monkey)	Toxic	Based on similar material(s)
Inhalation LCLo	1000 ppmv(Monkey)	Toxic	Based on similar material(s)
Oral LITREF	<1 g/kg(Human)	Toxic	Based on similar material(s)

Carcinogenicity Classification

Chemical Name	NTP	IARC	ACGIH	OSHA
Windshield Washer Fluid	No	Not Reviewed	No	No

Developmental Toxicity	Offspring of pregnant rats and mice exposed by inhalation to methanol levels at or above 5000 ppm had reduced body weight, reduced survival, and malformations. In rats these effects occurred at maternally toxic exposure levels.
Neurotoxicity	Methanol ingestion may damage the optic nerve, causing irreversible visual impairment or blindness.
Systemic Toxicity	Acute methanol toxicity in humans follows a well-defined pattern. Early symptoms of CNS depression are followed by a latent period typically lasting 12 - 24 hours. Depending on the amount ingested, subsequent symptoms may include headaches, nausea and vomiting, severe abdominal pain and difficulty breathing. Blurred vision, photophobia (light avoidance), and pain in the eyes occurs at this time. The appearance of these symptoms coincides with an increasing acidosis due to accumulating formic acid. These ocular symptoms may during the next few days either recede or develop into visual impairment or blindness. Coma and eventually death from respiratory failure can follow.

SECTION 12	ECOLOGICAL INFORMATION
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Environmental Impact Summary:

There is no ecological data available for this product.

SECTION 13**DISPOSAL CONSIDERATIONS****RCRA Information:**

If this material, as it is originally purchased, were subsequently DISCARDED as a waste, the waste would be a RCRA hazardous waste.D001 (Ignitable Hazardous Waste)

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal.

SECTION 14**TRANSPORT INFORMATION****US Department of Transportation Classification**

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

International Air Transport Association

Not regulated under IATA rules.

International Maritime Organization Classification

Not regulated under International Maritime Organization rules.

SECTION 15**REGULATORY INFORMATION****Federal Regulatory Status****OSHA Classification:**

Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

WHMIS Classification: Class D1B, Class D2A, Class D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Comprehensive Environmental Release, Compensation & Liability Act (CERCLA):**Ozone Depleting Substances (40 CFR 82 Clean Air Act):**

This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:**SARA Hazard Categories (311/312):**

Immediate Health	Delayed Health	Fire	Pressure	Reactivity
YES	YES	NO	NO	NO

SARA Toxic Release Inventory (TRI) (313):

METHANOL

Toxic Substances Control Act (TSCA) Status:

All component(s) of this material is(are) listed on the EPA/TSCA Inventory of Chemical Substances.

Other Chemical Inventories:

Component(s) of this material is (are) listed on the Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Korean Inventory, Philippines PICCS,

State Regulation

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

New Jersey Right-To-Know Chemical List:

Methanol (67-56-1)	1 - 5 %weight	Environmental Hazard
Methanol (67-56-1)	1 - 5 %weight	
Methanol (67-56-1)	1 - 5 %weight	Special Hazard

Pennsylvania Right-To-Know Chemical List:

Methanol (67-56-1)	1 - 5 %weight	Environmental Hazard
Methanol (67-56-1)	1 - 5 %weight	

SECTION 16

OTHER INFORMATION

Revision#: 0

Revision Date: 01/25/2006

Review Date: 01/25/2006

Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has been created to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2003). We encourage you to take the opportunity to read the MSDS and review the information contained therein.

SECTION 17

LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

PRODUCT CODE(S): 410026

Rain-X® Plus Windshield Washer Fluid (Spring, Summer & Fall w/Bitrex)

DANGER!

MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. MAY BE FATAL IF INHALED. HIGHLY TOXIC AND MAY BE FATAL IF SWALLOWED. CAUSES SEVERE EYE IRRITATION. OVEREXPOSURE TO VAPORS CAN CAUSE CNS DEPRESSION. TOXIC AND HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE SKIN IRRITATION.

Refer to Section 11, Toxicological Information, for specific information on the following effects:

Developmental Toxicity

Precautionary Measures:

Avoid contact with skin and clothing. Avoid heat and open flames. Avoid breathing of vapors, fumes, or mist. Do not take internally. Use only with adequate ventilation. Keep container closed when not in use. Wash thoroughly after handling.

FIRST AID

Inhalation: DO NOT attempt to rescue victim unless proper respiratory protection is worn. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Skin Contact: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment. Transport to nearest medical facility for additional treatment.

Eye Contact: Immediately flush eyes with large amounts of water for at least 30 minutes, by the clock, while holding eyelids open. Transport to nearest medical facility for additional treatment.

Ingestion: Induce vomiting if exposed person is alert and call a doctor or poison control center. DO NOT take internally. To induce vomiting administer 2 glasses of water and 2 tablespoons of Syrup of Ipecac (1 tablespoon if victim is a child). Keep head below hips while vomiting. DO NOT GIVE LIQUIDS TO A DROWSY, CONVULSING OR UNCONSCIOUS PERSON. Transport to nearest medical facility for additional treatment.

FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO₂) to extinguish flames. Do not use a direct stream of water. Material will float and can be re-ignited on surface of water.

SPILL OR LEAK

Dike and contain spill.

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

CONTAINS: Deionized water, 7732-18-5; Methanol, 67-56-1

NFPA Rating (Health, Fire, Reactivity): 1, 0, 0

TRANSPORTATION**US Department of Transportation Classification**

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Name and Address

SOPUS Products
P.O. Box 4427
Houston, TX 77210-4427

ADMINISTRATIVE INFORMATION

MANUFACTURER ADDRESS: SOPUS Products, P.O. Box 4427, Houston, TX. 77210-4427

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BASED ON THE DATA AVAILABLE TO US AT THIS TIME,

AND IS BELIEVED TO BE ACCURATE BASED UPON THAT : IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT, FOR PURPOSE OF HAZARD COMMUNICATION. IT IS NOT INTENDED TO CONSTITUTE PRODUCT PERFORMANCE INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, UNDERLYING DATA OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

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