

Safety Data Sheet



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Section 1. Chemical Product and Company Identification

Product Name Windshield Wiper Fluid Conc.
Product Use Aliphatic Alcohol
Product Code 6829
Date of Issue 7/21/2016
Supersedes 7/21/2015

Emergency Telephone Numbers
CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Health Hazards

Acute Toxicity; Oral, Dermal, Inhalation
Serious eye damage/ eye irritation
Specific Target Organ Toxicity, single exposure

Category 3
Category 2A
Category 1

Physical Hazards

Flammable Liquid

Category 2

Precautionary Statements:

P210 Keep away from heat, open flames and sources of ignition—no smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical, ventilating and lighting equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P337+P313 IF eye irritation persists: Get medical advice/attention.
P361 Remove/take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse
P370+P378 In case of fire: use dry chemical powder, alcohol resistant foam, CO₂, water spray, or fog to extinguish
P403+P235+P233 Store in a well-ventilated place. Keep cool. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of in accordance with all federal, state and local regulations.

Hazard Statements:

H225	Highly flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H319	Causes serious eye irritation
H331	Toxic if inhaled
H370	Causes damage to organs

Routes of Entry Dermal, Oral, and Inhalation**Acute Effects:**

Eyes	Causes serious eye irritation. Symptoms may include redness, pain, swelling, itching, burning, tearing, and blurred vision.
Skin	Toxic in contact with skin. Symptoms may include redness, dry skin, dermatitis, and defatting of the skin.
Inhalation	Toxic if inhaled. Causes headache, drowsiness, dizziness, nausea, vomiting, visual disturbance, and optic nerve damage.
Ingestion	Toxic if swallowed. Symptoms may include headache, drowsiness, dizziness, nausea, visual disturbance, optic nerve damage (blindness), abdominal pain, shortness of breath, vomiting, convulsions, and unconsciousness. May cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness and possible death.

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	% by Weight
Methanol	67-56-1	<100

Section 4. First Aid Measures

Eye Contact	Flush immediately with clean water for 15 minutes. Seek immediate medical attention.
Skin Contact	If irritation occurs, flush with plenty of clean water. Seek medical attention if a rash occurs or if irritation persists.
Inhalation	Remove to fresh air. Provide oxygen if needed.
Ingestion	Do not induce vomiting. Give several large glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)
(estimated rating)



Hazardous Combustion Products	Acrid smoke, irritating fumes, CO, and CO ₂
Extinguishing Media	Dry chemical powder, alcohol resistant foam, CO ₂ , water spray, fog
Unsuitable Extinguishing Media	Do not use heavy water stream. Water may be ineffective in cooling down the flash point.
Fire Fighting Procedures	Wear protective gear when fighting fire. Use water to cool fire-exposed containers.
Unusual Fire and Explosion Hazards	May form flammable/explosive vapor-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Exercise caution when fighting any chemical fire. Methanol fires may not be visible to the naked eye during daylight. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Under fire conditions, hazardous fumes will be present and closed containers may rupture or explode. Do not allow run-off from firefighting to enter drains or water sources.

Section 6. Accidental Release Measures

Spill Clean Up	Evacuate unnecessary personnel. Eliminate all ignition sources and wear personal protective gear. Stop leak if safe to do so. Ventilate area. Prevent entry to sewers and public waters. Notify authorities if product does enter sewers or public waters. Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container for disposal. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Contact competent authorities after a spill.
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Section 7. Handling and Storage

Handling and Storage

Handling Conditions: Handle empty containers with care because residual vapors are flammable. Use only non-sparking tools. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor, mist, or spray. Use appropriate personal protection equipment. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, and lighting equipment. Ensure adequate ventilation.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Storage Conditions: Store in a cool, dry, well-ventilated place. Do not store near heat, flame, or other potential ignition sources. Do not store with oxidizers. Keep container closed when not in use. Ground all equipment containing this material. Store and transport in accordance with all applicable laws. Keep/Store away from direct sunlight, extremely high or low temperatures, and incompatible materials.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Methanol (67-56-1)	200ppm	200ppm		200ppm

Engineering Controls Normal ventilation adequate



Personal Protective Equipment (PPE)

Eyes Safety glasses or chemical splash goggles

Body Neoprene gloves, and protective clothing, which may include: boots; and other impervious and resistant clothing

Respiratory For insufficient ventilation: wear appropriate respiratory protection

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Blue	Vapor Pressure	N/A
Odor	Alcohol odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	7.2	Solubility	Complete
Freezing Point	-98°C	Partition Coefficient	N/A
Boiling Point	64°C	Auto-Ignition Temp.	N/A
Flash Point	11°C (closed cup)	Decomposition Temp.	N/A
Evaporation Rate	N/A	Viscosity	N/A
Flammability	Flammable	Specific Gravity	0.78-0.80

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Strong oxidizers such as barium, perchlorate, bromine, and chlorine. Beryllium hydride. Metals such as aluminum, magnesium, potassium, and zinc. Chloroform and sodium methoxide. Diethyl zinc. Acetyl bromide. Sodium hypochlorite.
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	CO, CO ₂ , acrid smoke and irritating fumes
Conditions to Avoid	Ignition sources, direct sunlight, incompatible materials and extreme temperatures.

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral and Inhalation
Symptoms	Irritation
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None
Reproductive Toxicity	No information found
Target Organs	Causes damage to organs (category 1)

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	300mg/kg	ATE determined Category 3
Oral	100mg/kg	ATE determined Category 3
Inhalation	3.00 mg/l	ATE determined Category 3

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1230	Methanol	3	PGII	Flammable

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313:

Methanol	67-56-1	<100%
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The following substances have CERCLA reportable quantity values (in pounds):

Methanol	67-56-1	5,000
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State Regulations California Prop 65: Methanol (67-56-1) for developmental toxicity

Section 16. Other Information

Last Revision 7/21/15

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.