

Cross Packaging Material Safety Data Sheet

Cross Packaging
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Smackover, Arkansas
71762

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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Xtreme Windshield Washer Solvent -20°F
CAS Registry Number: Not applicable for mixtures
Synonyms: Windshield Washer Solution - Premixed, Windshield Washer Antifreeze and Summer Coolant
Item Number:
Generic/Chemical Name: Alcohol solution/mixture.
Product Type: Water Alcohol Solvent

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%	ACGIH TWA	OSHA PEL	OSHA STEL	SKIN
Methanol	67-56-1	30 - 40	200 ppm	200 ppm	250 ppm	YES
Tetrasodium EDTA	64-02-8	< 1	10 ppm	10 ppm	N D.	NO
Sodium Tetraborate Pentahydrate	1303-96-4	< 1	1 mg/m3	1 mg/m3	5 mg/m3	NO
Acid Blue 1 Mixture	129-17-9	< 1	N. D.	N. D.	N. D.	NO
Inert ingredients	Mixture	60 - 70	N. D.	N. D.	N. D.	NO

SECTION 3 HAZARDS IDENTIFICATION

WARNING:

- CONTAINS METHANOL
CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.
- MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED.
- CANNOT BE MADE NONPOISONOUS

Eye Contact: Causes eye irritation and drying. Keep out of eyes.
Skin Contact: Avoid skin contact. Causes skin irritation. Harmful if absorbed through skin, causes damage to liver, kidney and nervous system.
Inhalation: Harmful if inhaled, causes damage to liver, kidney and nervous system. Causes nose and throat irritation.
Ingestion: May be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

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SECTION 4

FIRST AID MEASURES

Eye Contact:	Flush eyes immediately and thoroughly for at least 15 minutes with water. Get medical attention if irritation persists.
Skin Contact:	In case of contact, wash skin with water for 15 minutes. Remove contaminated clothing. If redness and irritation symptoms occur, seek medical aid. Wash contaminated clothing before reuse.
Inhalation:	If inhaled remove to fresh air. If difficulty in breathing occurs, give oxygen, call a physician. Seek medical attention if irritation or discomfort persists.
Oral Contact:	As little as 60 ml may cause blindness or fatality. Immediately give two glasses of water and induce vomiting. Call physician. Never give anything by mouth to an unconscious person.
Note to physician:	Provide standard methanol ingestion treatment. To prepare the antidote, make a solution using 100 ml of 100-proof ethyl alcohol (grain alcohol) in 2000 ml of water and give 1.5 ml per kg of body weight, or 100 ml for an average adult. Following this, at 2 hour intervals for 4 days, give the antidote (0.5 - 1.0 ml/kg of body weight) orally or intravenously to reduce the metabolism of the methanol and to allow time for its excretion. Blood ethanol levels should be maintained at 1.0 - 1.5 mg/ml.

SECTION 5

FIRE FIGHTING MEASURES

Flash Point:	37°C (100°F) by Tag Closed Cup, ASTM D 56.
Upper Flammable Limit:	Not determined
Lower Flammable Limit:	Not determined
Extinguishing Media:	Use dry chemical, alcohol foam, water spray, water fog or carbon dioxide if appropriate for the surrounding fire.
Special Fire fighting Procedures:	Exercise caution when fighting any chemical fire. Evacuate affected area, stay upwind and avoid smoke and fumes. Use water spray to cool containers. If smoke and fumes cannot be avoided, a self-contained breathing apparatus and protective clothing are essential.
Unusual Fire & Explosion Hazards:	Flammable Liquid. Flame is invisible in daylight. Methanol-water mixtures will burn unless very dilute. Mixtures with 25% or more methanol are OSHA Class I flammable liquids. Follow appropriate National Fire Protection Association (NFPA) codes.
Byproducts of Combustion:	Thermal decomposition or combustion will produce carbon dioxide and water. Incomplete combustion may produce carbon monoxide.
Autoignition Temperature:	Not determined
Explosion Data:	Explosive limits: Not determined.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Spill Control Procedures (Land):	Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent and place into suitable containers.
Spill Control Procedures (Water):	Completely water-soluble. Flush spill area with plenty of water. DO NOT flush to sewers. AQUATIC TOXICITY: 96 hour LC50 for fathead minnows is 28,100 mg/L.

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SECTION 6

ACCIDENTAL RELEASE MEASURES (continued)

Waste Disposal

Method:

All disposals must comply with federal, state, and local regulations. CERCLA Reportable Quantity is 5000 pounds. The material, if spilled or discarded is a regulated RCRA hazardous waste number U154. May be disposed of by incineration, bio-oxidation, or subsurface injection by a licensed disposal contractor. Refer to state and local regulations.

SECTION 7

HANDLING AND STORAGE

Handling Procedures:

Keep away from heat, sparks or flame. Do not mix with strong oxidizers, chromic anhydride, lead perchlorate or perchloric acid. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated breathing of vapors. Use with adequate ventilation. Wash thoroughly after handling. Keep container tightly closed when not in use.

Storage Procedures:

Keep away from heat, sparks or flame. Keep containers tightly closed. Do not store near strong oxidizers, chromic anhydride, lead perchlorate or perchloric acid. Store in adequately ventilated areas.

Information:

No additional information.

SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection:

Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.

Respiratory

Protection:

Good general ventilation should be provided to keep vapor concentrations below the exposure limits. When misting may occur in the work area, use a NIOSH approved respirator in accordance with respiratory requirements of OSHA 29 CFR 1910.134.

Eye and Face Protection:

Eye protection is always recommended. Use chemical splash goggles or face shield.

Hand Protection:

Chemical resistant gloves to avoid skin sensitization and absorption.

Other Protection:

Use of an apron or other protective clothing is recommended to avoid skin absorption. Launder soiled clothes.

Local Control

Measures:

Use adequate ventilation when working with material in an enclosed area. Use local exhaust ventilation where mist or spray may be generated. Eyewash stations and showers should be available in areas where this material is used and stored.

Other:

This substance is a POISON. Consumption of food and drink must be prohibited in work areas where product is present. Always wash hands and face with soap and water before eating, drinking, or smoking.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not determined
API Gravity:	19.3° at 15.6°C (60°F) by ASTM D 1298
Density:	7.81 lb/gal at 15.6°C (60°F) by ASTM D 1298
Specific Gravity:	0.938 at 15.6°C (60°F) by ASTM D 1298
Solubility:	Completely soluble in water, soluble in low molecular weight hydrocarbon solvents.
Percent Volatile:	35 percent.
Vapor Density, Air = 1:	1.1 at 25°C and 1 ATM (760 Torr)
Evaporation Rate, n-Butyl Acetate = 1:	Greater than 1.
Odor:	Mild odor, irritates eyes.
Appearance:	Blue, translucent fluid.
pH:	7.8
Boiling Point:	80°C (176°F).
Freezing Point:	-32°C (-25°F).
Molecular Weight:	Not applicable

SECTION 10

STABILITY AND REACTIVITY

Stability:	Material is stable at room temperature and pressure.
Conditions To Avoid:	Do not store or mix with strong oxidizers, chromic anhydride, lead perchlorate or perchloric acid (reacts vigorously).
Incompatibility With Other Materials:	Avoid contact with acids and oxidizing materials.
Hazardous Decomposition Products:	Thermal decomposition or combustion will produce carbon dioxide and water. Incomplete combustion will produce carbon monoxide.
Hazardous Polymerization:	Will not occur.

SECTION 11

TOXICOLOGICAL INFORMATION

Oral Toxicity:	Product oral LD50 (rat) = 9,150 mg per kg of body weight.
Dermal Toxicity:	Skin Absorption LD50 (rabbit) = 15,840 mg per kg of body weight.
Inhalation Toxicity:	Inhalation 1 hour LC50 (rat) = 145,000 parts per million.
Dermal Sensitization:	Prolonged or repeated contact may also make skin more sensitive to other skin sensitizers. Based on data from similar materials.
Chronic Toxicity:	Methyl Alcohol is considered a chronic toxin.
Carcinogenicity:	No ingredients listed by IARC, NTP or OSHA.
Mutagenicity:	Not a mutagen.
Reproductive Toxicity:	Not determined.

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SECTION 11 TOXICOLOGICAL INFORMATION (continued)

Teratogenicity: Not determined.
Other: Not determined

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicity: Aquatic Toxicity: The 96 hour LC50 for fathead minnows is 28,100 mg per Liter.
Environmental Fate: No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Discarded product as sold is a listed RCRA hazardous waste (U154). Waste management should be in full compliance with federal, state, and local laws.

Disposal Considerations: Place used, spilled, contaminated, or excess material into disposable containers and dispose of with a licensed contractor in a manner consistent with local and state regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT Bulk Shipping Description: Methanol
U.S. DOT Non-Bulk Shipping Description: Methanol

U.S. DOT Identification Number: UN 1230
U.S. DOT Hazard Classification: Class 3 Flammable Liquid
Other: See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaging. For more information concerning spills during transport, consult latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT P 5800.3.

SECTION 15 REGULATORY INFORMATION

Clean Water Act/Oil Pollution Act: Not applicable.
OSHA Hazard Communication Status: None

