

WINDSHIELD WASHER FLUID WINTER RTU

Sky Blue Industries, Inc.

MATERIAL SAFETY DATA SHEET

Date Prepared: September 16, 1999

Sky Blue Industries, Inc.
760 West Exchange Road
Ogden, Utah 84401

NFPA Ratings:

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Telephone: (801) 394-2808
Emergency: (800) 998-2808

Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

Manufacturer:

Sky Blue Industries, Inc.
760 West Exchange Road
Ogden, Utah 84401

Telephone Numbers:

Office (801) 394-2808

24 Hour Emergency Contact:

CHEMTREC (800) 424-9300

SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200) EXPOSURE LIMITS:

	OSHA	ACGIH
Methanol (CAS# 67-56-1)	PEL 200 ppm STEL 250 ppm Skin designation	TLV 200 ppm

SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW: **WARNING!** Irritates eyes, skin, mucous membranes, and upper respiratory tract. May be absorbed through the skin. Harmful by ingestion.

POTENTIAL HEALTH EFFECTS:

INHALATION: Mildly toxic if inhaled. Prolonged or repeated inhalation of high concentration of Methanol (a component of this product) vapors may cause central nervous system (CNS) depression and optic nerve damage. CNS depression is characterized by dizziness, headache, difficulty breathing or loss of consciousness. Inhalation may aggravate preexisting lung disorders. The odor threshold for methanol is several times higher than the allowed exposure levels.

EYE CONTACT: Liquid irritates eyes and may cause eye injury. Methanol vapors may cause irritation, tearing and burning sensation. Exposure may aggravate existing eye disorders.

SKIN CONTACT: May irritate the skin. Methanol may be absorbed through the skin in toxic or lethal amounts. Absorption of Methanol causes CNS depression and optic nerve damage. Repeated or prolonged skin contact may cause irritation, dryness, and cracking. Exposure may aggravate existing skin disorders.

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INGESTION: Ingestion of Methanol, a component of this product, may produce CNS depression and optic nerve (eye) damage. Early symptoms of CNS depression include giddiness, headache, dizziness, and nausea. In extreme cases, unconsciousness and death may occur. Optic nerve damage can result in permanent blindness.

CHRONIC: Exposure may aggravate existing kidney and liver disorders. Repeated or prolonged inhalation of Methanol has caused liver damage.

CARCINOGENICITY: LISTED IN NTP? No IARC? No OSHA Regulated? No

SECTION IV - FIRST AID MEASURES

INHALATION: Remove to fresh air. Provide oxygen if breathing is difficult. If not breathing, apply artificial respiration. Obtain medical attention immediately.

EYE CONTACT: Immediately flush with large amounts of running water for at least 15 minutes, while holding eyelids open. Obtain medical attention immediately.

SKIN CONTACT: Immediately remove contaminated clothing or shoes. Wash skin thoroughly with mild soap and water for 15 minutes. Seek medical advice if ill effect or irritation develops or persists. Wash contaminated clothing before reuse.

INGESTION: Swallowing Methanol, a component of this product, may be life threatening. If conscious and medical aid is not immediately available, give victim large amounts of water or milk to dilute stomach contents and induce vomiting. Obtain medical attention immediately. Never give unconscious person anything by mouth.

SECTION V - FIRE FIGHTING MEASURES

Flashpoint (Method): 105°F (SW1020A)

Flammable Limits: Lower: NE Upper: NE

Autoignition Temperature: NE

GENERAL HAZARD: Methanol solutions will burn if heated sufficiently. Methanol burns with a clean, clear flame that is almost invisible in daylight.

FIRE FIGHTING INSTRUCTIONS: Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors. Firefighters wear protective clothing, and self contained breathing apparatus.

EXTINGUISHING MEDIA: Use extinguishing media such as foam, dry chemical, or carbon dioxide. Cool containers exposed to heat with fine water spray to prevent vapor pressure buildup leading to container rupture.

HAZARDOUS COMBUSTION PRODUCTS: Acrid smoke, irritating fumes, formaldehyde, carbon monoxide and carbon dioxide.

SECTION VI - ACCIDENTAL RELEASE MEASURES

WARNING! Keep unnecessary and unprotected people away. Isolate hazard area. Eliminate all ignition sources.

LARGE SPILL: Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so. Dike and contain. Keep spills and cleaning runoff out of municipal sewers and open

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waterways. Collect free product with vacuum truck or explosion free pump to storage container. Absorb residue with inert material, then place waste in a chemical waste container for disposal.

For spills on water contain, minimize dispersion, and collect free product.

SMALL SPILL: This is a consumer product, the release of small amounts of the material to the sanitary sewer or the environment is inherent to the end use. Very small spills of consumer quantities may be flushed with water into the sanitary sewer.

If industrial quantities are spilled, absorb the product with inert material, then place waste in a chemical waste container for disposal.

SECTION VII - HANDLING AND STORAGE

Use with adequate ventilation.

Avoid prolonged or repeated breathing of mist or vapors. Do not get into eyes or on skin. Do not swallow. Wash hands thoroughly after handling material and before eating, drinking, smoking, or using restroom facilities.

Store in a cool, dry place away from strong oxidizers, strong acids, and strong bases.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: The use of local exhaust ventilation is recommended.

PERSONAL PROTECTION: Avoid prolonged or repeated breathing of mists or vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator.

PROTECTIVE CLOTHING: Avoid contact with eyes; use chemical goggles or face shield to protect eyes if contact is possible due to spraying or splashing of the liquid or airborne particles. Wear chemical resistant gloves and other clothing to protect skin. Launder contaminated clothing before reuse.

OTHER HYGIENE PRACTICES: Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: NE	Vapor Density (Air=1): NE
Specific Gravity:	Evaporation Rate: NE
Solubility in Water: miscible	pH: NE
Boiling Point: NE	Freezing Point: NE
	Volatility: NE
Appearance & Odor: Clear, blue liquid	

SECTION X - STABILITY AND REACTIVITY

GENERAL: Stable

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids, and strong bases

CONDITIONS TO AVOID: Incompatible materials, excessive heat, and ignition sources.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION XI - TOXICOLOGICAL INFORMATION

Methanol (CAS# 67-56-1) LD₅₀ : 6.2-13.0g/kg (oral - rat)
LD₅₀ : 15,840 mg/kg (skin absorption - rabbit)
LC₅₀ : 145,000 ppm (1 hour inhalation - rat)

SECTION XII - ECOLOGICAL INFORMATION

Methanol (CAS# 67-56-1) 250 ppm/11 hr/goldfish/lethal/fresh water.

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose of product according to all federal, state and local regulations. Do not flush to surface waters.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Methanol solution, 3, UN1230, PGII, Flammable Liquid, Poison
Windshield Washer Fluid Winter RTU.

HAZARD CLASS: 3

IDENTIFICATION NUMBER: UN1230

DOT Emergency Guide #: 131

Reportable Quantity (RQ): 5,000 lb. methanol or approximately 1,800 gallons of product

SECTION XV - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act):

The components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):

Reportable quantity from release or spill: 5,000 lb. methanol or approx. 1,800 gallons of product

SARA TITLE III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories: acute health hazard, chronic health hazard

313 Reportable Ingredients: Methanol (CAS# 67-56-1) - 35-40%

STATE REQUIREMENTS:

Methanol is regulated by MA, NJ, and PA. Other states may also have special requirements. For details on specific state requirements, contact the appropriate agency in your state.

CALIFORNIA PROP 65: This product may contain trace quantities (<0.1 ppm) of ethylene oxide, a chemical found by the State of California to cause cancer, birth defects and other reproductive harm.

SECTION XVI - OTHER INFORMATION

Information Supplied By: Sky Blue Industries

Prepared by: TALEM, Inc. - Consulting Engineering Services

(817) 335 - 1186

Preparation Date: 9/99

FOOTNOTES:

NA - Not Applicable NE - Data Not Established CS - Cancer Suspect Agent OX - Oxidizer ND - No Data Cor - Corrosive
CALC - Calculated EST - Estimated STEL - Short Term Exposure Limit TLV - Threshold Limit Value
PEL - Permissible Exposure Limit TWA - Time Weighted Average, 8 hours

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. NEITHER THE SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE INFORMATION PRESENTED.

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