

# Material Safety Data Sheet

Date Last Revised: 07/09/98

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## I. General Information

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**Chemical Name & Synonyms:** ~~Windshield Washer Antifreeze (-20, -25)~~  
**Chemical Family:** Alcohol

**Trade Name & Synonyms:** MSDS Applies to All Monson-produced Windshield Washer Antifreeze -20 And -25, Regardless Of Brand Or Trade Name.

**Formula:** Methanol/Surfactant Polyol/Color/Water  
>1 Gallon: Flammable Liquid, N.O.S.

**Hazard Class:** ORM-D; In quantities > 1 Gallon: Class 3  
**HMIS Rating:** Health-1; Flammability-3; Reactivity-0

**Manufacturer:** *Monson Companies, Inc.*  
*154 Pioneer Drive*  
*Leominster, MA 01453*  
*(978) 534-1425*

**CHEMTREC:** *(800) 424-9300*

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## II. Ingredients

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COMPONENTS	PERCENT BY VOLUME	
Methanol	CAS # 67-56-1	30-42%
Surfactant Polyol	CAS # 9003-11-6	<1%
Color	CAS # 3486-30-4	<1%
Water		58-70%

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## III. Physical Data

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**Boiling Point (°F):** 176-184 deg F  
**Vapor Pressure (mm Hg.):** 38-45 @ 20 deg. C  
**Vapor Density (Air=1):** 1.6  
**Solubility in Water:** Complete  
**Appearance & Odor:** Transparent colored (usu. blue) liquid, mild alcohol odor

Specific Gravity (H <sub>2</sub> O =1):	@ deg. C, 0.9450-0.9608
Percent Volatile By Volume (%):	30-42%
Evaporation Rate(n-Butyl Acetate =1):	n/a

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## IV. Fire & Explosion Data

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Flash Point (Test Method):	Tag closed cup: 88-100 deg. F
Extinguishing Media:	Water fog, chemical foam, dry chemical powder, Carbon dioxide.
Special Fire Fighting Procedure:	Wear self-contained breathing apparatus when fire fighting in confined space.
Unusual Fire & Explosion Hazards:	Combustion will produce carbon monoxide and asphyxiants.

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## V. Health Hazard Data

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ACGIH Threshold Limit Value	800 ppm
Symptoms of Exposure:	Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea.
EMERGENCY FIRST AID:	Inhalation: None normally required. Skin: Flush with water. Eye: Flush with water for 15 minutes. If required, seek medical assistance. Ingestion: Do not give liquids if unconscious or drowsy. Otherwise, induce vomiting. Seek medical attention.

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## VI. Reactivity Data

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Stability:	Stable
Conditions To Avoid:	Avoid heat, sparks, flame and contact with strong oxidizing agents.
Incompatibility:	Strong oxidizers
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon monoxide and asphixiants

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## VII. Environmental Protection Procedures

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Spill Response:	Contain spill. Remove ignition sources. Evacuate unprotected personnel. Advise EPA and State and Local agenices if required. Absorb with inert material. Dispose of in accordance with all regulations.
Waste Disposal Method:	Follow Federal, State, and Local regulation. Do not flush into drain or storm sewer. Contact authorize disposal service.

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## VIII. Special Protection Information

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Eye Protection:	Splash proof chemical safety goggles.
Skin Protection:	If contact is unavoidable, wear appropriate impervious clothing. Launder soil clothing before reuse.
Respiratory Protection (Specific Type)	None under normal conditions. If required to maintain exposure limits use either supplied air respirator and/or air purifying respirator for organic vapors.
Ventilation Recommended:	Not normally required.

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## IX. Special Precautions

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Hygienic Practices In Handling & Storage: Material should be stored in closed original container.

\*\*\*\*\**End Of MSDS*\*\*\*\*\*

Key:           N/A   Not Applicable  
               ND    Not Determined

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