

# Material Safety Data Sheet

Windshield Washer Antifreeze (-20)

Revised 01/04

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## I. General Information

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

Trade Name: MSDS Applies to all Windshield Washer Antifreeze -20,  
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: South\Win, Ltd.  
606 Walters Street  
Reidsville, NC 27320  
(336) 348-1808*

*CHEMTREC: (800) 424-9300*

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## II. Ingredients

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COMPONENTS		PERCENT BY VOLUME
Methanol	CAS # 67-56-1	33%-36%
Surfactant Polyol	CAS# 9003-11-6	<1%
Color	CAS # 3486-30-4	<1%
Water		64-67%

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## III. Physical Data

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Boiling Point (°F): 183 deg F  
Vapor Pressure (mm Hg.): 38-45 @ 20 deg. C  
Vapor Density (Air=1): 1.1  
Solubility in Water: Complete  
Appearance & Odor: Transparent colored (usu. blue) liquid, mild alcohol odor  
Specific Gravity (H<sub>2</sub>O =1): @ deg. C, 0.950-0.952  
Percent Volatile By Volume (%): 32%  
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: 101 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 asphyxiants

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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 agencies 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 authorized 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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