



Windshield Washer Fluid +32/DEG

Revision Date: 8/1/2013
Date Issued: 6/1/2005

MSDS Number: 3109-RB

Section 1 – Chemical Product and Company Information

Product Name: Windshield Washer Fluid +32/DEG
Trade Name: MSDS applies to all Windshield Washer Fluid +32/Deg regardless of Brand or Trade Name
Product Use: Windshield Washer Fluid
Company: South/Win Ltd.
3818 Burlington Rd.
Greensboro, NC 27405
Telephone: (800) 648-4393
Emergency Telephone Number: CHEMTREC: (800) 424-9300

Section 2 – Composition Information

Component	CAS #	%
Water	7732-18-5	70 - 100
Biocide Additives	Proprietary	1 - 5

Section 3 – Hazards Identification

Potential Health Effects:

Signs and Symptoms of Exposure:

Eyes: May cause eye irritation, a temporary burning sensation, minor redness and/or blurred vision. Vapors may be moderately irritating to the eye and surrounding tissue.

Skin: No acute effects known.

Absorption:

Skin Contact: No effects known.

Inhalation: No effects known.



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Ingestion: Considered to have a low order of acute toxicity.

Aggravation of Pre-existing Conditions: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: None

Section 4 – First Aid Measures

Eyes: Flush with large amounts of cold water for at least 15 minutes. Do not let victim rub eyes. Contact a physician immediately.

Skin: Wash affected area with soap and water. Do not reuse clothing soaked with this product until laundered. Discard all leather articles which have been soaked with this product. If irritation develops, contact a physician immediately.

Inhalation: If inhaled, move to fresh air. If victim has stopped breathing give artificial respiration, preferably mouth to mouth. Contact a physician immediately.

Ingestion: Induce vomiting immediately. Contact a physician immediately.

Oral LD 50: N/D

Section 5 – Fire Fighting Measures

Flash Point: None

Method Used: N/A

Flammable Limits in air % by volume: N/A

Auto-Ignition Temp: N/A

LEL: N/A

UEL: N/A

Extinguisher Media: Carbon dioxide, dry chemical or alcohol resistant foam



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Special Firefighting Procedures: Use carbon dioxide, dry chemical alcohol resistant foam. Do not use a direct stream of water.

Unusual Fire and Explosion Hazards: None

HMIS Rating: Health 1 Flammability 0 Reactivity 0 Other N/A

NFPA Rating: Health 1 Flammability 0 Reactivity 0

Section 6 – Accidental Release Measures

Spill & Leak Response: Do not allow spilled material to enter sewers or streams. Add dry material (such as diatomaceous earth, dry clay or sand) to absorb (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

Section 7 – Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. Do not wear contact lenses when handling this product. Keep out of reach of children. Wash thoroughly after handling.

Work Practice: Use only in well ventilated areas. Keep containers tightly closed and keep away from heat and open flames.



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Storage: Store in closed, labeled containers in a cool, dry well ventilated area. Maintain closure of bungs. Store at temperatures above 0°C (32°F) and below 40°C (104°F). Do not reuse container. Avoid container damage while storing.

Empty Container Warning: Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, bronze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Do not attempt to refill containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner in accordance with governmental regulations.

Section 8 – Exposure Controls/ Personal Protection

Exposure guidelines: None

Protective Gloves: Wear neoprene rubber gloves.

Eye Protection: Chemical goggles. Do not wear contact lenses.

Other Protective Wear: Wear impervious, protective clothing including rubber safety shoes to avoid prolonged or repeated skin contact.

Work Practices: Read label for instructions in use of product.



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Section 9 – Physical/Chemical Characteristics

Appearance and Odor:	Blue liquid, characteristic odor
Boiling Point:	100°C (212°F)
Flash Point:	None
Method Used:	N/A
Specific Gravity:	0.999 @20°C (68 °F)
Vapor Pressure @ 20°C:	N/D
Solubility in Water:	Miscible
Freezing Point:	0 °C (32 °F)
pH:	6 - 8

Section 10 – Stability and Reactivity

Stability:	Stable X	Unstable
Conditions to Avoid:	Contact with heat, sparks, flame, and all sources of ignition.	
Incompatibility:	Strong acids, strong bases, and oxidizing agents.	
Hazardous Decomposition Products:	Oxides of carbon, nitrogen, sulfur, and hydrogen chloride.	
Hazardous Polymerization:	May occur	Will not occur X

Section 11 – Toxicological Data

Eye Irritation:	N/D
Dermal Toxicity:	N/D
Oral Toxicity:	N/D
Inhalation Toxicity:	N/D



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Carcinogenicity:

NTP :	N/D
IARC :	N/D
ACGIH :	N/D

Section 12 – Ecological Information

When released into the soil, this material is expected to readily degrade.
When released into the water, this material is expected to have a half-life between 1 and 10 days.
Persistence and Degradability: Not established.

Section 13 – Disposal Considerations

Waste Disposal: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.
Product can be disposed of in a licensed facility.

Section 14 – Transport Information

US Department of Transportation	None
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Section 15 – Regulatory Information

OSHA (Occupational Safety, and Health Administration)
29 CFR 1910.1200 Hazardous Chemical: no

SARA (Superfund Amendment and Reauthorization Act)

Section 311: Hazardous Chemical - no
Immediate - no
Delayed - no
Fire - no
Sudden Release - no
Reactive - no

Section 313: Toxic Chemical – no

TSCA (Toxic Substance Control Act)

All of the ingredients in this product are listed on the TSCA Inventory.

California Prop 65:

This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

Section 16 – Other Information

None

Disclaimer: The information contained herein is based on the data available to us and is believed to be correct. However, South/Win, Ltd. and/or the preparer makes no warranty, expressed or implied, regarding the accuracy of this information or the results to be obtained from the use thereof. South/Win, Ltd assumes no responsibility for injury from the use of this product.