

# Material Safety Data Sheet

DOW RV & Marine AntiFreeze -50

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## 1. General / Company Information

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Chemical Name & Synonyms: Antifreeze - Propylene Glycol based  
Chemical Family: Polyalcohol  
Proper DOT Shipping Name: NON TOX Anti-Freeze  
Trade Name & Synonyms: **-50 DOW RV & Marine Antifreeze**  
DOT Hazard Classification: Non-hazardous, Not Regulated

**Manufacturer:** *South/Win Ltd.*  
*606 Walters Street*  
*Reidsville, NC 27320*  
*(336) 348-3808*

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

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## 2. Composition

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Principal Components	CAS #	Percent	Threshold Limit Value/Units
Propylene Glycol	57-55-6	25 - 30	None established
Water		64 - 70	
Glycerol	56-81-5	>=4.0	5 mg/m <sup>3</sup>
DiPotassium Phosphate	7758-11-4	0.5 - 1	None established
Dye, FG	Varies		

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## 3. Physical Data

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Boiling Point @ 760 mm Hg: 216 °F  
Freezing Point: 8 °F  
Vapor Pressure (mm Hg.): N/A  
Vapor Density (Air=1): N/A  
Solubility in Water @ 20°C: 100%  
Appearance & Odor: Clear or dyed liquid. Characteristic odor.

Specific Gravity (@60°F/60°F): 1.023 to 1.046  
Refractive Index @25°C: 1.362 to 1.400  
Percent Volatile By Volume: 25-30%  
pH: 8.5 to 11

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## 4. Fire & Explosion Data

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Flash Point (Test Method):	228°F PMCC (Estimated Minimum)
Flammable Limits:	
LEL:	2.8 (Maximum)
UEL:	12.5 (Maximum)
Autoignition Temperature:	700°F (Estimated Minimum)
Extinguishing Media:	Alcohol type foam, CO <sub>2</sub> , Dry chemical.
Special Fire Fighting Procedures:	Wear a NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.
Unusual Fire & Explosion Hazards:	None.

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## 5. Health Hazard Data

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OSHA Permissible Exposure Limits:	None established.
ACGIH Threshold Limit Value:	1
Carcinogen - NTP Program:	N/A
Carcinogen - IARC Program:	N/A
Symptoms of Exposure:	Practically non-toxic; mild skin irritant. May cause diarrhea by oral ingestion. Medical Conditions
Aggravated By Exposure:	May be a skin sensitizer to some individuals.
Primary Route(s) of Entry:	Skin, eyes, ingestion and inhalation.
<b>Emergency First Aid:</b>	Flush with water. If irritation develops call a physician.
	Eyes: Flush with water, if irritation develops call a physician.
	Ingestion: Drink water to dilute.
	Inhalation: Remove victim to fresh air.

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## 6. Reactivity Data

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Stability: Stable.  
Conditions To Avoid: Extreme heat.

Incompatibility/Materials To Avoid: Strong oxidizers.

Hazardous Polymerization: Will not occur.  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

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## 7. Environmental Protection Procedures

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Spill Response: Wear goggles, coveralls, impervious gloves and boots. Add dry absorbent shovel or sweep up. Place in appropriate container and seal.. Wash contaminated clothing before reuse. Large Spill: Call the Emergency Number on page one of MSDS.

Waste Disposal Method:  
Dispose of contaminated product, empty containers and materials used in cleanup of spills or leaks in manner approved for material. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures.

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## 8. Special Protection Information

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Eye Protection: Wear goggles to prevent splashing into eyes.  
Skin Protection: Wear chemically resistant clothing to minimize contact.  
Respiratory Protection (Specific Type): NIOSH approved respirator to prevent over exposure.  
Ventilation Recommended: N/A  
Other Protection: N/A

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## 9. Special Precautions

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Hygienic Practices In Handling & Storage:           None.

Precautions For Repair & Maintenance Of Contaminated Equipment:    None.

Other Precautions: Wash with soap and water before eating or drinking. Launder contaminated clothing before reuse.

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

**Key:**           N/A   Not Applicable  
                  ND    Not Determined

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