

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE AND PREPARATION

### Supplier/Manufacturer:

**American Polywater Corporation**  
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**Emergency Number:** +1-651-430-2270

**Product Name: IceFree™  
Antifreeze Gel — Type WS**

**Chemical Description:** Water-Based Gel with  
Propylene Glycol

**Product Use:** Ice Prevention

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt %</u>
Propylene Glycol	57-55-6	200-338-0	< 75

This product contains no other reportable hazardous components under 29 CFR 1910.1200. This product contains no other reportable hazardous components under European Directives 91/55/EEC.

## 3. HAZARDS IDENTIFICATION

<b>Emergency Overview:</b>	Industrial use only.
<b>Eye Contact:</b>	Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.
<b>Skin Contact:</b>	This product has low skin irritation potential. There is no dermal toxicity hazard.
<b>Irritation and Sensitization Potential:</b>	This product has low skin irritation potential. It is not a sensitizer.
<b>Inhalation (Breathing):</b>	No inhalation hazard expected with water vapor.
<b>Ingestion (Swallowing):</b>	Very low ingestion hazard.

## 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.
<b>Skin Contact:</b>	If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.
<b>Inhalation (Breathing):</b>	No first aid expected to be required. Not an inhalation hazard.
<b>Ingestion (Swallowing):</b>	No first aid expected to be required. If difficulties arise, contact a physician.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	None
<b>Flammable Limits:</b>	Product is not flammable.
<b>Autoignition Temperature:</b>	Does not apply.
<b>Hazardous Decomposition and By-Products:</b>	High temperature steam, potentially carbon monoxide and carbon dioxide.
<b>Extinguishing Media:</b>	Does not apply.
<b>Special Precautions:</b>	Does not apply.
<b>Unusual Hazards:</b>	Sealed container can build up pressure when exposed to high heat. Cool containers with water.

## 6. ACCIDENTAL RELEASE MEASURES

Product is a thick gel that may be collected for disposal. Outside, spills may be covered with sand, dirt, gravel or calcium chloride.

## 7. HANDLING AND STORAGE

Keep product containers closed when not in use. Avoid spills and clean them up immediately when they occur. Product is very slippery.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Respiratory Protection:</b>	Normal ventilation is adequate.
<b>Protective Gloves:</b>	For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.
<b>Eye Protection:</b>	Safety glasses recommended.
<b>Exposure Limits and Recommendations:</b>	Not applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Transparent-red, thick gel.
<b>Odor Threshold:</b>	Not Available
<b>Vapor Density (Air = 1):</b>	>1
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1.0
<b>Solubility in Water:</b>	Disperses
<b>Boiling Point:</b>	> 212°F (> 100°C)

<b>Freezing Point:</b>	< -30°F / < -34°C
<b>Vapor Pressure:</b>	0.01 kPa @ 77°F (25°C) - estimated
<b>Viscosity:</b>	120,000 – 180,000 cps. @ 10rpm.
<b>pH:</b>	6.5 – 7.5
<b>Volatiles (Weight %):</b>	>98%
<b>VOC Content:</b>	490 g/l

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	None known.
<b>Materials to Avoid:</b>	Avoid materials that react with water.
<b>Hazardous Decomposition and By-Products:</b>	Carbon dioxide, carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity to Animals:</b>	Propylene Glycol	LD <sub>50</sub> (oral rat) 21,000 – 33,700 mg/kg LD <sub>50</sub> (dermal rabbit) 28,000 mg/kg
<b>Chronic Exposure:</b>	Not Available	
<b>Carcinogenic Status:</b>	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.	
<b>Reproductive Toxicity:</b>	Not Available	
<b>Mutagenicity:</b>	Not Available	
<b>Teratogenicity:</b>	Not Available	
<b>Toxicologically Synergistic Products:</b>	Not Available	

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	No information available.
<b>Bioaccumulation:</b>	No information available.
<b>Ecotoxicity:</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with National and Local Regulations.

**14. TRANSPORTATION INFORMATION**

<b>UN Number:</b>	Not Listed
<b>UN Proper Shipping Name:</b>	Not Applicable
<b>Class and Subsidiary Risk:</b>	Not Applicable
<b>Packing Group:</b>	Not Applicable
<b>TDG:</b>	Not Regulated
<b>ICAO/IATA-DGR:</b>	Not Regulated
<b>IMDG:</b>	Not Regulated
<b>ADR/RID:</b>	Not Regulated

**15. REGULATORY INFORMATION****USA Federal and State**

All components are listed on the TSCA inventory.

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<b><u>Acute</u></b> No	<b><u>Chronic</u></b> No	<b><u>Fire</u></b> No	<b><u>Pressure</u></b> No	<b><u>Reactive</u></b> No
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<b><u>Components</u></b>	<b><u>CERCLA/SARA Sec 302 Hazardous Substance RQ</u></b>	<b><u>EHS TPQ</u></b>	<b><u>SARA Sec. 313 Toxic Release</u></b>
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Components are not affected by these Superfund regulations.

**European Union**

Product is not classified as hazardous according to European Directives 88/379/EEC and 67/548/EEC and EU Regulation (EC) No 1272/2008.

<b>Risk Phrases:</b>	Not Applicable
<b>Safety Phrases:</b>	Not Applicable

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

**Canada**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

<b>WHMIS Classification:</b>	NC
<b>Canadian DSL:</b>	All ingredients listed.

**Australia**

All components are listed on the AICS.  
Not considered hazardous according to criteria of NOHSC Australia.

**16. OTHER INFORMATION**

**NFPA Ratings:** Health: 0  
Fire: 0  
Reactivity: 0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

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**Reviewed By:** S. H. Dahlke

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.

WS:MSDS