



# Safety Data Sheet

Issuing Date: 1-Jun-2008

Revision Date: Oct. 1, 2020

SDS Number: 9174

## 1. Identification of the Substance / Preparation and of the Company / Undertaking

### Product identifier

Product Name                      Prime Guard  
Stock Numbers                      Prime Guard 95006

### Other means of identification

Synonyms                              Not available.

### Recommended use of the chemical and restrictions on use

Recommended Use                      RV & Marine Antifreeze; Hydronic Heating,  
Solar Systems & Cooling Tower Antifreeze  
Uses advised against                      Not available.

### Details of the supplier of the safety data sheet

Supplier Name                              South/Win, Ltd.  
Supplier Address                              112 Maxfield Rd.  
Greensboro, NC 27405 US  
Supplier Phone Number                      Phone: (800) 648-4393  
Fax: (336) 398-5680  
Emergency Phone:                              CHEMTREC: (800) 424-9300

## 2. Hazards Identification

### GHS INFORMATION

Classification:                              Not hazardous according to OSHA criteria (29 CFR 1910.1200).  
Not hazardous according to WHMIS 2015 criteria.

### LABEL ELEMENTS

Hazard Pictograms(s):                      None  
Signal Word:                                  None  
Hazard Statements:                              Not applicable.

### PRECAUTIONARY STATEMENTS

Prevention:                                      Not applicable.  
Response:                                        Not applicable.  
Storage:                                         Not applicable.  
Disposal:                                         Not applicable.

Hazards Not Otherwise Classified      Not applicable.



# Safety Data Sheet

Issuing Date: 1-Jun-2008

SDS Number: 9174

**Ingredients with Unknown Toxicity:** None

This material is not considered hazardous by the OSHA Hazard Communication Standard, 2012 (29 CFR 1910.1200).

This material is not considered hazardous by the Hazardous Products Regulations, 2015.

## 3. Composition / Information on Ingredients

Ingredient(s)	Common name / Synonyms	CAS No.	% wt./wt.
1,2-Propanediol	Propylene glycol	57-55-6	20-30
Water	Not available.	7732-18-5	70-80
Phosphoric acid, potassium salt (1:2)	Potassium phosphate, dibasic	7758-11-4	.1-2

## 4. First-Aid Measures

**Inhalation:**

If inhaled: Call a poison center or doctor if you feel unwell.

**Acute and delayed symptoms and effects:** May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Eye Contact:**

If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.

**Acute and delayed symptoms and effects:** May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin Contact:**

If on skin: Wash with plenty of soap and water. Call a poison center or doctor if you feel unwell.

**Acute and delayed symptoms and effects:** May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Store in a well-ventilated place. Keep cool.

**Ingestion:**

If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Acute and delayed symptoms and effects:** May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**General Advice:**

In case of accident or if you feel unwell, seek medical advice immediately. (Show the label or SDS where possible.)



# Safety Data Sheet

Issuing Date: 1-Jun-2008

SDS Number: 9174

Note to Physicians: Symptoms may not appear immediately.

## 5. Fire-Fighting Measures

### FLAMMABILITY AND EXPLOSION INFORMATION

Not flammable or combustible by OSHA / WHMIS criteria. Material will not burn unless preheated.

**Sensitivity to Mechanical Impact:** This material is not sensitive to mechanical impact.  
**Sensitivity to Static Discharge:** This material is sensitive to static discharge at temperatures at or above the flash point.

### MEANS OF EXTINCTION

**Suitable Extinguishing Media:** Dry chemical, CO2 or alcohol-resistant foam. Move containers from fire area if you can do it without risk.  
**Unsuitable Extinguishing Media:** Not available.  
**Products of Combustion:** Oxides of carbon. Oxides of phosphorus.  
**Protection of Firefighters:** Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

## 6. Accidental Release Measures

**Emergency Procedures:** Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).  
**Personal Precautions:** Do not touch or walk through spilled material. Use personal protection recommended in Section 8.  
**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways.  
**Methods for Containment:** Stop leak if without risk. Do not flush to sewer or allow to enter waterways.  
**Methods for Clean-Up:** Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.  
**Other Information:** See Section 13 for disposal considerations.



# Safety Data Sheet

Issuing Date: 1-Jun-2008

SDS Number: 9174

## 7. Handling and Storage

### Handling:

Do not swallow. Avoid breathing mist, vapours, or spray. Avoid contact with eyes, skin, or clothing. See Section 8 for information on Personal Protection Equipment.

### Storage:

Store in a well-ventilated place; keep container tightly closed. Store at temperatures below 40°C (104 °F). Do not reuse container. Avoid container damage while storing. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines Component

Water [CAS No. 7732-18-5]

**ACGIH:** No TLV established.

**OSHA:** No PEL established.

Propylene glycol [CAS No. 57-55-6]

**ACGIH:** No TLV established.

**OSHA:** No PEL established.

Potassium phosphate, dibasic [CAS No. 7758-11-4]

**ACGIH:** No TLV established.

**OSHA:** No PEL established.

**PEL:** Permissible Exposure Limit

**TLV:** Threshold Limit Value

Engineering Controls: Not normally required.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)



<b>Eye/Face Protection:</b>	Wear safety glasses with side shields or chemical goggles. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA – Z94. 3-92 and OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.
<b>Hand Protection:</b>	Wear protective gloves. Neoprene rubber gloves are recommended. Consult manufacturer specifications for further information.
<b>Skin and Body Protection:</b>	Wear protective clothing.
<b>Respiratory Protection:</b>	Not required under normal use conditions.
<b>General Hygiene Considerations:</b>	Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear or dyed liquid.
<b>Colour:</b>	Colourless or dyed.
<b>Odour:</b>	Characteristic.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	8.5 to 11
<b>Melting Point / Freezing Point:</b>	15.6 °C (60 °F)
<b>Initial Boiling Point:</b>	Not available.
<b>Boiling Point:</b>	108.3 °C (227 °F) at 760 mHg
<b>Flash Point:</b>	> 109 °C (228 °F) (PMCC) (estimated)
<b>Evaporation Rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Lower Flammability Limit:</b>	2.6 % (Propylene glycol)
<b>Upper Flammability Limit:</b>	12.6 % (Propylene glycol)
<b>Vapor Pressure:</b>	Not available.



# Safety Data Sheet

Issuing Date: 1-Jun-2008

SDS Number: 9174

<b>Vapor Density:</b>	Not available.
<b>Relative Density:</b>	1.030 to 1.040 (Water = 1) at 15 °C (59 °F)
<b>Solubilities:</b>	Soluble in water.
<b>Partition Coefficient: n-Octanol/Water:</b>	Not available.
<b>Auto-ignition Temperature:</b>	371 °C (699.8 °F) (Propylene glycol)
<b>Decomposition Temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Percent Volatile, wt. %:</b>	55 to 65
<b>VOC content, wt. %:</b>	Not available.
<b>Density:</b>	8.62 lb/gal
<b>Coefficient of Water/Oil Distribution:</b>	Not available.

## 10. Stability and Reactivity

<b>Reactivity:</b>	Contact with incompatible materials. Sources of ignition. Exposure to heat.
<b>Chemical Stability:</b>	Stable under normal storage conditions.
<b>Possibility of Hazardous Reactions:</b>	None known.
<b>Conditions to Avoid:</b>	Contact with incompatible materials. Sources of ignition. Exposure to heat.
<b>Incompatible Materials:</b>	Strong acids. Strong bases. Oxidizers.
<b>Hazardous Decomposition Products:</b>	Not available.



## 11. Toxicological Information

### EFFECTS OF ACUTE EXPOSURE

#### Product Toxicity

**Oral:** Not available.

**Dermal:** Not available.

**Inhalation:** Not available.

#### Component Toxicity

Component	CAS No.	LD50 oral	LD50 dermal	LC50
Water	7732-18-5	> 90 mL/kg (rat)	Not available.	Not available.
Potassium phosphate, dibasic	7758-11-4	Not available.	Not available.	Not available.
Propylene glycol	57-55-6	20000 mg/kg (rat)	20800 mg/kg (rabbit)	Not available.

**Likely Routes of Exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Target Organs:** Skin. Eyes. Gastrointestinal tract. Respiratory system. Central nervous system.

#### Symptoms (including delayed and immediate effects)

**Inhalation:** May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Eye:** May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin:** May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

**Ingestion:** May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Skin Sensitization:** Not available.

**Respiratory Sensitization:** Not available.

**Medical Conditions Aggravated By Exposure:** Not available.

### EFFECTS OF CHRONIC EXPOSURE (from short and long-term exposure)

**Target Organs:** Skin. Eyes. Gastrointestinal tract. Respiratory system. Central nervous system.



# Safety Data Sheet

Issuing Date: 1-Jun-2008

SDS Number: 9174

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by the ACGIH, IARC, OSHA, or NTP.

**Mutagenicity:** Not available.

**Reproductive Effects:** Not available.

**Developmental Effects  
Teratogenicity:** Not available.

**Embryotoxicity:** Not available.

**Toxicologically Synergistic Materials:** Not available.

## 12. Ecological Information

**Ecotoxicity:** Not available.

**Persistence / Degradability:** 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.

**Bioaccumulation/Accumulation:** Not available.

**Mobility in Environment:** Not available.

**Other Adverse Effects:** Not available.

## 13. Disposal Considerations

**Disposal Instructions:** Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

## 14. Transport information

**U.S. Department of Transportation (DOT)**

**Proper Shipping Name:** Not regulated

**Class:** Not applicable.

**UN Number:** Not applicable.

**Packing Group:** Not applicable.

**Label Code:** Not applicable.





# Safety Data Sheet

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SDS Number: 9174

**Canada Transportation of Dangerous Goods (TDG)**

**Proper Shipping Name:** Not regulated.

**Class:** Not applicable.

**UN Number:** Not applicable.

**Packing Group:** Not applicable.

**Label Code:** Not applicable.

## 15. Regulatory information

### Chemical Inventories

#### US(TSCA)

The components of this product are in compliance with the chemical notification requirements of TSCA.

#### Canada(DSL)

The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

### Federal Regulations

#### United States

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### SARA Title III

No components are listed.

### State Regulations

#### Massachusetts

US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

No components are listed.

#### New Jersey

US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Component	CAS No.	RTK List
Propylene glycol	57-55-6	Listed.



# Safety Data Sheet

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SDS Number: 9174

## Pennsylvania

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Component	CAS No.	RTK List
Propylene glycol	57-55-6	Listed.

## California

**California Prop 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other information

Prepared By: Randy Boitz

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**