



Safety Data Sheet

Product identifier used on the label: PRIMEGARD -100PG RVAF 6/1

Product Code: PR210P6P

Revision Date: 05-25-2023

Replaces: 01-04-2023

1. Identification

Product identifier used on the label: PRIMEGARD -100PG RVAF 6/1
Product Code: PRIM99306

Other means of identification: No data available
Synonyms:

Recommended use of the chemical and restrictions on use:

Recommended use: RV Antifreeze

Restrictions on use: Uses other than those described above

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party: Highline Warren LLC
4500 Malone Road
Memphis, TN 38118

Phone number: +01 (901) 437-8615

E-mail address: sds@highlinewarren.com

Emergency phone number: CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Classification: Not classified as hazardous under OSHA

Hazards not otherwise classified: No data available

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Propylene glycol	No data available	57-55-6	30 - 60

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Eye Contact: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

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Skin Contact:	Wash with soap and water.
Ingestion:	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.
Most important symptoms/effects, acute and delayed:	None known.
Indication of immediate medical attention and special treatment needed, if necessary:	No additional first aid information available.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.
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Unsuitable extinguishing media:	No data available
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Specific hazards arising from the chemical:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
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Hazardous combustion products:	Alcohols, Aldehydes, Organic acids
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Special protective equipment and precautions for fire-fighters:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	No adverse health affects expected from the clean up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this SDS.
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Methods and materials for containment and cleaning up:	No special spill clean up considerations. Collect and discard in regular trash.
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7. Handling and storage

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Precautions for safe handling:

No special handling instructions due to toxicity. Follow all protective equipment recommendations provided in Section 8.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions:

Store in a cool dry place. Isolate from incompatible materials.

Materials to Avoid/Chemical Incompatibility:

Strong acids, Strong bases, Strong oxidizing agents

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH	US WEEL
Propylene glycol	No PEL	No TLV	No STEL	No data available	10 mg/m3 TWA

Appropriate engineering controls:

No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

Individual protection measures, such as personal protective equipment:

Respiratory Protection:

No respiratory protection required under normal conditions of use.

Respirator Type(s):

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye protection:

Wear safety glasses when handling this product if there is a likelihood of contact with eyes.

Skin protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves:

Wear appropriate protective gloves to prevent skin exposure.

General hygiene conditions:

Follow all protective equipment recommendations provided in Section 8.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state:

Liquid

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Color:	Blue
Odor:	None
Odor Threshold:	Not determined
pH:	No data available
Melting point/freezing point:	
Melting Point:	No data available
Freezing point:	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point (°C):	109
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	Not established
Lower flammability or explosive limits:	Not established
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1.04
Solubility(ies):	Complete; 100%
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature:	Not determined
Viscosity:	No data available

10. Stability and reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None expected under standard conditions of storage.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Visible light Ultraviolet light

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Incompatible materials: Strong acids, Strong bases, Strong oxidizing agents

Hazardous decomposition products: Alcohols, Aldehydes, Organic acids

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Eye contact, Skin contact, Ingestion, Inhalation

Symptoms related to the physical, chemical and toxicological characteristics: None known.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion: No hazard in normal industrial use. Estimated to be > 5.0 g/kg.

Skin Contact: Likely to be non-irritating to skin based on animal data.No hazard in normal industrial use.

Inhalation: No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.

Eye Contact: This material is likely to be non-irritating to eyes based on animal data. No hazard in normal industrial use.

Sensitization: Non-hazardous under Respiratory Sensitization category.No data available to indicate product or components may be a skin sensitizer.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

Reproductive toxicity Not known or reported to cause reproductive or developmental toxicity.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Other information: None known.

Numerical measures of toxicity (such as acute toxicity estimates) Based on available data, the classification criteria are not met.

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Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available):

Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Propylene glycol	57-55-6	EC50 (48h) Daphnia magna > 1000 mg/L	EC50 (96h) Pseudokirchneriella subcapitata 19000 mg/L	LC50 (96h) Pimephales promelas (Fathead Minnow) 710 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) 51400 mg/L LC50 (96h) Rainbow Trout 41 - 47 ml/l LC50 (96h) Rainbow Trout 51600 mg/L

Persistence and degradability:

Biodegrades quickly.

Bioaccumulative potential:

Bioconcentration is not expected to occur.

Mobility in soil:

This material is expected to have very high mobility in soil. It does not absorb to most soil types. This material is expected to evaporate quickly from surface soils and/or waters.

Other adverse effects (such as hazardous to the ozone layer):

None known.

13. Disposal considerations

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Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

Spent or discarded material is not expected to be a hazardous waste.

Contaminated packaging:

Empty containers may contain residues. Dispose of in the same way as waste product.

14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

DOT Basic Description: Not regulated for road transport

International carriage of dangerous goods by sea (IMDG/IMO):

UN number: Not regulated by IMDG

UN Proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group, if applicable: Not applicable

International carriage of dangerous goods by air (IATA):

UN number: Not regulated by IATA

UN Proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group, if applicable: Not applicable

Environmental hazards (e.g., Marine pollutant (Yes/No)):

None.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):

No data available

Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:

No data available

15. Regulatory information

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Safety, health and environmental regulations specific for the product in question:

TSCA Status:

All components of this material are on the Active US TSCA Inventory or are exempt.

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Propylene glycol	57-55-6	N	N	N	N

Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Propylene glycol	57-55-6	N	N	N	N

California Prop 65

No ingredient(s) requiring a warning under California Prop 65.

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Propylene glycol	57-55-6	N	Y	Y	N	Y

16. Other information, including date of preparation or last revision.

SDS Prepared by:

MCHONGOOFAFA

Revision Date:

05-25-2023

Revision Number:

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Reason for revision:

Activated by Document Formulation Generation

References:

No data available

Other Info:

No data available

Disclaimer:

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in

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