



Safety Data Sheet

Product identifier used on the label: PRIMEGUARD -50EB RVAF 6/1

Product Code: PR250E6P

Revision Date: 08-20-2023

Replaces: 07-24-2023

1. Identification

Product identifier used on the label: PRIMEGUARD -50EB RVAF 6/1
Product Code: PRIM95806

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 Hazard
Symbols:



GHS Classification: Serious Eye Damage/Eye Irritation Category 2A
Flammable Liquid Category 3

Signal Word: Warning

Hazard Statements: Flammable liquid and vapor; Causes serious eye irritation

Precautionary Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

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Response: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use an appropriate extinguisher (see section 5) to extinguish.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: No data available

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Ethanol	No data available	64-17-5	10 - 30
Propylene glycol	No data available	57-55-6	1 - 5

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: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Most important symptoms/effects, acute and delayed: Causes serious eye irritation

Indication of immediate medical attention and special treatment needed, if necessary: No additional first aid information available.

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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray 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 fire. Do not direct a water stream directly into the hot burning liquid.

Unsuitable extinguishing media:

No data available

Specific hazards arising from the chemical:

Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Container may explode in heat of fire.

Hazardous combustion products:

Alcohols, Aldehydes, Organic acids, Carbon dioxide, Carbon monoxide

Special protective equipment and precautions for fire-fighters:

In case of fire: Use an appropriate extinguisher (see section 5) to extinguish.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

Methods and materials for containment and cleaning up:

No special spill clean up considerations. Collect and discard in regular trash.

7. Handling and storage

Precautions for safe handling:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Store in a well-ventilated place. Keep cool.

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
Ethanol	1000 ppm TWA; 1900 mg/m ³ TWA	No TLV	1000 ppm STEL	3300 ppm IDLH (10% LEL)	No data available
Propylene glycol	No PEL	No TLV	No STEL	No data available	10 mg/m ³ TWA

Appropriate engineering controls: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn.

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 chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin protection: Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. 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: Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.

9. Physical and chemical properties

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Appearance (physical state, color etc.):

Physical state:	Liquid
Color:	Pink
Odor:	MildAlcohol
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):	40.56
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
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.

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Conditions to avoid (e.g., static discharge, shock, or vibration):

Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Visible light Ultraviolet light

Incompatible materials:

Strong acids, Strong bases, Strong oxidizing agents

Hazardous decomposition products:

Alcohols, Aldehydes, Organic acids, Carbon dioxide, Carbon monoxide

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:

Causes serious eye irritation

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. This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.

Inhalation:

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

Eye Contact:

Causes serious eye irritation

Sensitization:

Non-hazardous under Respiratory Sensitization category.

Mutagenicity:

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

Carcinogenicity:

Contains a substance that is a probable cancer hazard based on animal studies using routes of exposure not applicable in the workplace.

Reproductive toxicity

Contains a substance that is a possible reproductive system hazard based on animal studies using routes of exposure not applicable in the workplace.

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.

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

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):

This material is not expected to be harmful to the ecology.

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
Ethanol	64-17-5	LC50-48H Daphnia magna 9268 - 14221 mg/L	No data available	LC50 (96h) Pimephales promelas (Fathead Minnow) 13400 - 15100 mg/L LC50 (96h) Pimephales promelas (Fathead

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				Minnow) > 100 mg/L
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Persistence and degradability:	Biodegrades quickly.
Bioaccumulative potential:	Bioconcentration is not expected to occur.
Mobility in soil:	This material is expected to have high mobility in soil. It absorbs weakly to most soil types.
Other adverse effects (such as hazardous to the ozone layer):	None known.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Dispose of contents and container in accordance with local/regional/national/international regulations.
Waste codes / waste designations:	D001
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:	Product classed as a combustible liquid in a non-bulk packaging (<119 gallons) is not subject to the requirements listed in 49 CFR 173.150(f)(2).
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International carriage of dangerous goods by sea (IMDG/IMO):

UN number:	UN1993
UN Proper shipping name:	FLAMMABLE LIQUIDS, N.O.S
Technical Name:	ETHANOL
Transport hazard class(es):	3
Packing group, if applicable:	III
Exception:	LTD QTY
EMS#:	F-E, S-D

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International carriage of dangerous goods by air (IATA):

UN number: UN1993
UN Proper shipping name: FLAMMABLE LIQUIDS, N.O.S
Technical Name: ETHANOL
Transport hazard class(es): 3
Packing group, if applicable: III
Exception: LTD QTY

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

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
Ethanol	64-17-5	N	N	N	N
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
Ethanol	64-17-5	N	N	N	N
Propylene glycol	57-55-6	N	N	N	N

California Prop 65

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

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Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Ethanol	64-17-5	Y	Y	Y	N	Y
Propylene glycol	57-55-6	N	Y	Y	N	Y

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

SDS Prepared by: EHUGHES

Revision Date: 08-20-2023

Revision Number: 5

Reason for revision: 09ODA025 Standard Phrase Change

References: No data available

Other Info: No data available

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