



Safety Data Sheet

Stock Number: PR4SP56P
Date of the latest revision of the safety data sheet: 31-10-2023
Supercedes: 07-10-2023

PRIME -50 SWIMMING PL R VAF 6/G

1 Identification

Product Identifier: PRIME -50 SWIMMING PL R VAF 6/G

Stock Number: PR4SP56P

Other means of identification: PRIM30096

Other means of identification:

Synonyms: No data available

Recommended use and restrictions on use:

Recommended use: Swimming Pool Antifreeze

Restrictions on use: Uses other than those described above

Initial Supplier Identifier:

Highline Warren LLC

4500 Malone Road

Memphis, TN 38118

Tel No.: +01 (901) 437-8615

Email: sds@highlinewarren.com

Emergency telephone number and any restrictions on the use of that number, if applicable: CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

2 Hazard identification

Classification of the hazardous product:

Serious Eye Damage/Eye Irritation Category 2A

Flammable Liquid Category 3

GHS Hazard
class symbols:



Signal word:

Warning

Hazard statements:

Flammable liquid and vapour. Causes serious eye irritation.

Precautionary statements:

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting] equipment. Use non-sparking tools. Take action to prevent static discharges. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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

Response:



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Storage: case of fire: Use an appropriate extinguisher (see section 5) to extinguish.
Disposal: Store in a well-ventilated place. Keep cool.
Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

Other hazards known to the supplier with respect to the hazardous product:

Physical hazards not otherwise classified None known.

Health hazards not otherwise classified None known.

3 Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS registry number and any unique identifiers	Concentration
Propylene glycol	No data available	57-55-6	1 - 5
Ethanol	No data available	64-17-5	10 - 30

4 First-aid measures

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

Eye contact: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

The most important symptoms and effects, whether acute or delayed: Causes serious eye irritation

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

5 Fire-fighting measures

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.



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Unsuitable extinguishing media:

No data available

Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion:

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. Container may explode in heat of fire. 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. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.

Hazardous Combustion Products:

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

Special protective equipment and precautions for firefighters:

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential for hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Methods and materials for containment and cleaning up:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material. Gather and store in a sealed container pending a waste disposal evaluation.

7 Handling and storage

Precautions for safe handling:

Mildly irritating material. Avoid unnecessary exposure.

Conditions for safe storage:

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

Materials to Avoid/Chemical

Strong acids, Strong bases, Strong oxidizing agents

Incompatibility:

8 Exposure controls/personal protection



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Control parameters, including occupational exposure limit values or biological limit values and the source of those values:

Canada – Alberta – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	1000 ppm TWA; 1880 mg/m ³ TWA	No data available	No data available
Propylene glycol	No data available	No data available	No data available

Canada – British Columbia – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	No data available	1000 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available

Canada – Manitoba – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	No data available	1000 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available

Canada – New Brunswick – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	1000 ppm TWA; 1880 mg/m ³ TWA	No data available	No data available
Propylene glycol	No data available	No data available	No data available

Canada – Newfoundland & Labrador – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	No data available	1000 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available

Canada – Northwest Territories – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	1000 ppm TWA	1250 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available



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Canada – Nova Scotia – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	No data available	1000 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available

Canada – Nunavut – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	1000 ppm TWA	1250 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available

Canada – Ontario – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	No data available	1000 ppm STEL	No data available
Propylene glycol	10 mg/m ³ TWA (for assessing the visibility in a work environment where 1,2-Propylene glycol aerosol is present, aerosol only); 50 ppm TWA (aerosol and vapor); 155 mg/m ³ TWA (aerosol and vapor)	No data available	No data available

Canada – Prince Edward Island – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	No data available	1000 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available

Canada – Quebec – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWA EVs	Occupational Exposure Limits - STEVs	Occupational Exposure Limits - Ceiling
Ethanol	No data available	1000 ppm STEV	No data available
Propylene glycol	No data available	No data available	No data available



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Canada – Saskatchewan – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	1000 ppm TWA	1250 ppm STEL	No data available
Propylene glycol	No data available	No data available	No data available

Canada - Yukon – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Ethanol	1000 ppm TWA; 1900 mg/m ³ TWA	1000 ppm STEL; 1900 mg/m ³ STEL	No data available
Propylene glycol	No data available	No data available	No data available

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

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 and face 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.

Hand protection:

Wear appropriate protective gloves to prevent skin exposure.

General hygiene conditions:

Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

9 Physical and chemical properties

Physical state:

Liquid

Colour:

Blue



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Odour:	Mild
	Alcohol
Odour threshold:	Not determined
pH:	No data available
Melting point (°C):	No data available
Freezing point (°C):	No data available
Initial boiling point and boiling range (°C):	No data available
Flash point (°C):	40
Evaporation rate:	No data available
Flammability, in the case of solids and gases:	No data available
Upper flammable or explosive limit, % in air:	Not established
Lower flammable or explosive limit, % in air:	Not established
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	0.98
Solubility:	Complete; 100%
Partition coefficient — n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition temperature (°C):	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, including static discharge, shock or vibration:	Temperatures above flash point in combination with sparks, open flames, or other sources of ignition.
Incompatible materials:	Strong acids Strong bases Strong oxidizing agents
Hazardous decomposition products:	Alcohols, Aldehydes, Organic acids, Carbon dioxide, Carbon monoxide

11 Toxicological information

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



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Immediate effects from short term exposure:

Inhalation: Likely to be practically non-toxic based on animal data.
Skin Contact: This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.
Eye Contact: Classification is based on pH and the components listed in Section 3.
Ingestion: Estimated to be > 5.0 g/kg. No hazard in normal industrial use.
Sensitization: No data available to indicate product or components may be a skin sensitizer.

Delayed and chronic effects from long term exposure:

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 and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
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.

Numerical measures of toxicity, including ATEs Based on available data, the classification criteria are not met.

12 Ecological information

Ecotoxicity (aquatic and terrestrial, if available): This material is not expected to be harmful to the ecology.

Ecological Toxicity Data:

Chemical Name	CAS registry number and any unique identifiers	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



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				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 Minnow) > 100 mg/L

Persistence and degradability: Biodegrades quickly.
Bioaccumulative potential: Bioconcentration is not expected to occur.
Mobility in soil: This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.
Other adverse effects: None known.

13 Disposal considerations

Information on safe handling for disposal and methods of disposal, including any contaminated packaging: Spent or discarded material is a hazardous waste.

14 Transport information

Transportation of Dangerous Goods by land (TDG):

UN number: Not regulated for road transport
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable

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: III
Exception: LTD QTY

International carriage of dangerous goods by air (IATA):

UN number: UN1993
UN Proper shipping name: FLAMMABLE LIQUIDS, N.O.S



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Technical Name: ETHANOL
Transport hazard class(es): 3
Packing group: III
Exception: LTD QTY
Environmental hazards according to the International Maritime Dangerous Goods Code and the United Nations Model Regulations: No
Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78) and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): No data available
Special precautions in connection with transport or conveyance either within or outside the premises: No data available

15 Regulatory information

Safety, health and environmental regulations, made within or outside Canada, specific to the product in question:

Canada - Domestic Substances List (DSL):

Chemical Name	CAS No	Canada - Domestic Substances List (DSL)
Ethanol	64-17-5	Yes
Propylene glycol	57-55-6	Yes

Canada - Non-Domestic Substances List (NDSL):

Chemical Name	CAS No	Canada - Non-Domestic Substances List (NDSL)
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

Canada - Controlled Drugs and Substances:

Chemical Name	CAS No	Schedule I	Schedule II	Schedule III	Schedule IV	Schedule V	Schedule VII	Schedule VIII
Ethanol	64-17-5	No	No	No	No	No	No	No
Propylene glycol	57-55-6	No	No	No	No	No	No	No



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Chemical Name	CAS No	Class A Precursors	Class B Precursors	Exempt Precursors	Class 1 Targeted Substances	Class 2 Targeted Substances
Ethanol	64-17-5	No	No	No	No	No
Propylene glycol	57-55-6	No	No	No	No	No

Canada - CEPA - Schedule III Export Control List:

Chemical Name	CAS No	Part 1 Prohibited Substances	Part 2 Substances Subject to Notification or Consent	Part 3 Restricted Substances	Export Control List
Ethanol	64-17-5	No	No	No	No
Propylene glycol	57-55-6	No	No	No	No

Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting:

Chemical Name	CAS No	Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

Canada - Narcotic Control Regulations (C.R.C., c. 1041):

Chemical Name	CAS No	Canada - Narcotic Control Regulations (C.R.C., c. 1041)
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

Canada - Ontario - Toxics Reduction - List of Priority Toxics:

Chemical Name	CAS No	Canada - Ontario - Toxics Reduction - List of Priority Toxics
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

Stockholm Convention on Persistent Organic Pollutants:

Chemical Name	CAS No	Stockholm Convention on Persistent Organic Pollutants
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No



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Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade:

Chemical Name	CAS No	Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade .
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

(United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs):

Chemical Name	CAS No	(United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs)
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

Montreal Protocol on Substances that Deplete the Ozone Layer:

Chemical Name	CAS No	Montreal Protocol on Substances that Deplete the Ozone Layer
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal:

Chemical Name	CAS No	Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal
Ethanol	64-17-5	No
Propylene glycol	57-55-6	No

16 Other information

Date of the latest revision of the safety data sheet: 31-10-2023

Revision Number: 6

Reason for revision:

Activated by Document Formulation Generation

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



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obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.