

Safety Data Sheet

POWERWASHER PUMP GUARD

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: POWERWASHER PUMP GUARD

Synonyms/Generic Names: PUMP GUARD, PRESSURE WASHER PUMP GUARD, 22PWA-715

Product Number: 80130, 7104976

Product Use: Antifreeze, Industrial and professional use. Consumer end use.

Manufacturer: D. K. Rosedale LLC.
9316 Nicollet Ave
Bloomington, MN 55420

For More Information Call: 612-741-6441 (Monday-Friday 8:00-4:30)

In Case of Emergency Call: CHEMTREC - 800-424-9300 or 703-527-3887 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

OSHA Hazards: This material is not hazardous under the criteria of the Federal OSHA Hazard

Communication Standard 29CFR 1910.1200

Target Organs: None Known

Signal Words: Warning

Pictograms:



GHS Classification:

Skin irritation	Category 3
Eye irritation	Category 2B

GHS Label Elements, including precautionary statements:

Hazard Statements:

H316	Causes mild skin irritation
H320	Causes eye irritation

Precautionary Statements:

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing.
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Potential Health Effects

Eyes	May cause irritation
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Ingestion	Harmful if ingested.

NFPA Ratings

Health hazard	0
Flammability	1
Reactivity hazard	0
Specific hazard	Not Available

HMIS Ratings

Health	1
Fire	1
Reactivity	0
Personal	H

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	CAS #	EC-No.	Formula	Molecular Weight
Propylene glycol	20 - 40	57-55-6	200-388-0	C ₃ H ₈ O ₂	76.10 g/mol
Dipotassium phosphate	1.0 – 3.0	7758-11-4	231-834-5	K ₂ HPO ₄	174.18 g/mol
Water	60 - 80	7732-18-5	231-791-2	H ₂ O	18.02 g/mol

The exact concentrations of the above listed chemicals are being withheld as a trade secret as allowed by 29CFR1910.1200.

4. FIRST-AID MEASURES

Eyes	In case of eye contact, rinse with plenty of water. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek medical attention if necessary.
Inhalation	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
Ingestion	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5. FIREFIGHTING MEASURES

Suitable (and unsuitable) extinguishing media	Use water spray, dry chemical, or carbon dioxide. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Use appropriate media on adjacent fire. Cool unopened containers with water. Do not use direct water stream. May spread fire.
Special protective equipment and precautions for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.
Specific hazards arising from the chemical	Emits toxic fumes (carbon oxides) under fire conditions. (See also Stability and Reactivity section). During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	See section 8 for recommendations on the use of personal protective equipment. Keep unnecessary and unprotected personnel from entering the area. Keep personnel out of low areas.
Environmental precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. Any release to the environment may be subject to a federal/national or local reporting requirements
Methods and materials for containment and cleaning up	Contain spilled material if possible. Small spills: Any absorbent material. Collect in suitable and properly labeled open containers. Wash the spill site with large quantities of water. Large spills: Dike area to contain spill. Pump into suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information. Dispose of all waste and cleanup materials in accordance with regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area. The material is hygroscopic and light sensitive. Keep containers tightly closed. Keep away from heat. Keep away from incompatible materials (see section 10 for incompatibilities).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls:

Component	Exposure Limits (TWA)	Basis	Entity
Propylene glycol	10 mg/m ³	WEEL	AIHA

TWA: Time Weighted Average over 8 hours of work.

WEEL: Workplace Environmental Exposure Levels

Exposure controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Personal Protection

Eyes	Use safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.
Inhalation	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.
Skin	Wear nitrile or rubber gloves, apron or lab coat. Consistent with general hygienic practice for any material, skin contact should be minimized.
Other	Not Available

Other Recommendations

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Have supplies and equipment for neutralization and running water available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	Green clear liquid
Odor	Practically odorless (slight pine scent)
Odor threshold	Not Available
pH	10
Melting point/freezing point	-59°C (-74.2°F)
Initial boiling point and boiling range	198°C (388.4°F)
Flash point	160°C (320°F)-closed cup
Evaporation rate	0.9
Flammability (solid, gas)	Not applicable to liquids. May be flammable at high temperature.
Upper/lower flammability or explosive limit	2.6%-12.5%
Vapor pressure	0 hPa (@ 20°C) 0.05 mmHg @ 20°C
Vapor density	2.62
Relative density	1.038 g/cm ³
Solubility (ies)	Soluble in cold water, hot water, acetone.
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Possibility of Hazardous Reactions	Non known. Polymerization will not occur.
Conditions to Avoid	Excess heat, exposure to moist air or water.
Incompatible Materials	Oxidizing agents, acids, alkalis, chloroformates, caustics, aliphatic amines, isocyanates, acid anhydrides, silver nitrate, reducing agents.
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin	LD50 Dermal – rabbit – 20,800 mg/kg
Eyes	Not Available
Respiratory	Not Available
Ingestion	LD50 Oral – rat – 20,000 mg/kg
Other	LD50 Intramuscular – rat – 14 g/kg LD50 Intravenous – dog – 26 g/kg LD50 Intraperitoneal – rat – 6,660 mg/kg LD50 Subcutaneous – rat – 22,500 mg/kg LD50 Intravenous – rat – 6,423 mg/kg LD50 Intraperitoneal – mouse – 9,718 mg/kg LD50 Subcutaneous – mouse – 17,370 mg/kg LD50 Intravenous – mouse – 6,630 mg/kg LD50 Intravenous – rabbit – 6,500 mg/kg

Carcinogenicity

IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs & Symptoms of Exposure

Skin	Mild irritation
Eyes	Mild irritation
Respiratory	Irritation to respiratory tract.
Ingestion	Gastrointestinal disturbance; nausea; headache; vomiting; central nervous system depression
Chronic Toxicity	May cause damage to central nervous system (CNS)
Teratogenicity	May cause adverse reproductive effects and birth defects.
Mutagenicity	May affect genetic material.
Embryotoxicity	Not Available
Specific Target Organ Toxicity	Not Available
Reproductive Toxicity	Not Available
Respiratory/Skin Sensitization	Not Available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Aquatic Vertebrate	Mortality NOEC – Pimephales promelas (fathead minnow) – 52,930 mg/l – 96 hours
Aquatic Invertebrate	Mortality NOEC – Daphnia magna (water flea) – 13,020 mg/l – 48 hours EC50 – Daphnia magna (water flea) - >10,000 mg/l – 48 hours
Terrestrial	Not available

Persistence and Degradability	Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Biodegradation may occur under anaerobic conditions (in the absence of oxygen).
Bioaccumulative Potential	Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Mobility in Soil	Potential for mobility in soil is very high (Koc between 0 and 50).
PBT and vPvB Assessment	Not available
Other Adverse Effects	Not available

13. DISPOSAL CONSIDERATIONS

Waste Residues	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residues.
Product Containers	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product containers.

14. TRANSPORT INFORMATION

US DOT	Not Dangerous Goods
TDG	Not Dangerous Goods
IDMG	Not Dangerous Goods
Marine Pollutant	No
IATA/ICAO	Not Dangerous Goods

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

DSCL (EEC)	All ingredients are listed on the DSCL inventory.
SARA 302	Not Listed
SARA 304	Not Listed
SARA 311	No SARA Hazards
SARA 312	No SARA Hazards
SARA 313	Not Listed
WHMIS Canada	Not Listed

Pennsylvania Worker and Community Right-To-Know Act:

The following chemicals are listed because of the additional requirements of Pennsylvania law:

Components	CASRN
Propylene glycol	57-55-6

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

NFPA Hazard Rating:

Health 0
Fire 1
Reactivity 0



HMIS Hazard Rating:

Health 1* Slight
Fire 1 Slight
Physical 0 Minimal

*Chronic

History

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