

Karcher Pump Guard

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 11/27/2017

Revision date: 11/27/2017

Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : Karcher Pump Guard
Product code : 9.558-998.0

1.2. Recommended use and restrictions on use

Recommended use : Pressure Washer Cleaning Compound

1.3. Supplier

Manufacturer

Karcher Canada Inc.
6535 Milcreek Drive #67
Mississauga, ON L5N 2M2
T 1-888-705-9444

1.4. Emergency telephone number

Emergency number : +44 1628 894502

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Eye Irrit. 2B H320

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Signal word (GHS-CA) : Warning
Hazard statements (GHS-CA) : H320 - Causes eye irritation
Precautionary statements (GHS-CA) : P264 - Wash hands, forearms and face thoroughly after handling.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Ethyl alcohol	(CAS-No.) 64-17-5	33

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after 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.
First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Karcher Pump Guard

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

- Symptoms/effects after eye contact : Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Water fog. Dry chemical. Carbon dioxide.

5.2. Unsuitable extinguishing media

- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.3. Specific hazards arising from the hazardous product

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

5.4. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Methods and materials for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.3. Reference to other sections

- For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
- Hygiene measures : Wash hands before eating, drinking, or smoking. Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethyl alcohol (64-17-5)		
USA - ACGIH	ACGIH STEL (ppm)	1000 ppm
USA - ACGIH	Remark (ACGIH)	URT irr
USA - ACGIH	Regulatory reference	ACGIH 2017

8.2. Appropriate engineering controls

- Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
- Environmental exposure controls : Avoid release to the environment. Maintain levels below Community environmental protection thresholds.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

- Wear suitable gloves

Karcher Pump Guard

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Eye protection:

Wear eye/face protection

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information:

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear flowable liquid.
Colour	: Green
Odour	: Odourless
Odour threshold	: No data available
pH	: 10
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: -2 °C / 28 ° F
Freezing point	: -28 °C / -20 ° F
Boiling point	: > 92 °C / > 198 ° F
Flash point	: > 71 °C / > 160 ° F
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative density	: 0.19
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: 0.19 cSt
Explosive limits	: Lower explosive limit (LEL): 2.6 vol % Upper explosive limit (UEL): 12.5 vol %

9.2. Other information

% Solids	: 2.0 % (by wt.)
Percent volatile	: > 10% (by vol.)

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat.
Incompatible materials	: None known.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

Karcher Pump Guard

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LC50 inhalation rat	124.7 mg/l/4h

Skin corrosion/irritation	: Not classified. pH: 10
Serious eye damage/irritation	: Causes eye irritation. pH: 10
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.

Karcher Pump Guard	
Viscosity, kinematic (calculated value) (40 °C)	0.19 mm ² /s

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
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Ethyl alcohol (64-17-5)	
LC50 fish 1	11200 mg/l
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	5463 mg/l
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
ErC50 (algae)	1000 mg/l
NOEC chronic crustacea	9.6 mg/l

12.2. Persistence and degradability

Karcher Pump Guard	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Karcher Pump Guard	
Bioaccumulative potential	Not established.

Ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water	-0.32

12.4. Mobility in soil

Ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water	-0.32

12.5. Other adverse effects

Ozone	: Not classified.
Other information	: No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. The generation of waste should be avoided or minimized wherever possible.
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Karcher Pump Guard

Safety Data Sheet

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SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

No additional information available

14.3. Air and sea transport

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

SECTION 16: Other information

Date of issue : 11/27/2017
Revision date : 11/27/2017
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



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