

SDS Number: KLEEN-FLO-M

KLEEN-FLO-M

Revision Date: 5/16/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

R.G. SYSTEMS, INC.
1050 INNOVATION AVENUE
B-105
NORTH PORT, FL 34289

Emergency: CHEM-TEL 1-800-255-3924
Phone: 941-429-1600

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Acute toxicity, 5 Oral

GHS Label elements, including precautionary statements**GHS Signal Word:** **WARNING****GHS Hazard Pictograms:****GHS Hazard Statements:**

H319 - Causes serious eye irritation
H303 - May be harmful if swallowed

GHS Precautionary Statements:

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin;

Target Organs: Skin; Mucous membranes; Eyes;

Inhalation: None expected, however prolonged contact with mucous membranes may cause irritation. Certain individuals may become sensitized and experience minor nausea or headaches.

Skin Contact: Non-irritating. However prolonged contact with abraded skin may cause irritation.

Eye Contact: Eye irritant. Contact with eyes will cause irritation.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
6419-19-8	<10%	Phosphonic acid, [nitrilotris(methylene)]tris-

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and wash before reuse.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Get immediate medical attention.

Ingestion: Drink large quantities of water. Do not induce vomiting. Seek immediate medical attention

5 FIRE FIGHTING MEASURES

Flammability Classification:	Non Flammable
Suitable Extinguishing Media:	Water fog, alcohol foam, carbon dioxide, dry chemical
Unusual Fire or Explosion Hazards:	None known other than material can splatter above 100 C / 212 F.
Hazardous Combustion Products:	Unknown but carbon monoxide may be released on burning.
Fire-Fighting Instructions:	Do not release runoff from fire control methods to sewers and waterways.
Fire-Fighting Equipment:	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Small Spills: Absorb spill with paper towel or similar absorbent; or flush to sewer or ground with large amounts of water.

Large Spills: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Absorb spill with vermiculite, oil dry or similar non-reactant absorbent. Solidified product represents no environmental hazard.

Clean up: Accumulate the absorbed materials and dispose of according to federal, state and local regulations.

Environmental Precautions: Follow applicable OSHA/CERCLA or any other regulations (29 CFR 1910.120) as well as any state or local regulations that may apply.

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HANDLING AND STORAGE

Handling Precautions:

Use the recommended safety controls and personal protective equipment as outlined. Fully review all data before handling of the material itself. Avoid contact with skin or eyes. Avoid breathing dust or mist. Keep from contact with clothing or incompatible materials. Observe good personal hygiene and housekeeping practices. Wash thoroughly after handling.

Storage Requirements:

Do not store in direct sunlight. Store in a tightly closed container. Store in a cool dry, well ventilated area. Do not store this material near any strong bases, oxidizers, flammables or any other type of reactive material. Do not expose the material to temperature extremes.

Store material according to all local, state and federal guidelines that are established for non-regulated chemical products.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:

Phosphonic acid, [nitrilotris(methylene)]tris- (6419-19-8) [<10%]

Personal protective equipment

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatrill (KCL 740 / Aldrich Z677272, Size M) Splash contact data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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Components with workplace control parameters

TWA 10 mg/m3 USA. Workplace Environmental Exposure Levels (WEEL)

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale to amber liquid.	Odor:	Slight odor
Physical State:	Liquid	Solubility:	Complete in water
Odor Threshold:	Not available	Softening Point:	Not available
Spec Grav./Density:	1.06	Percent Volatile:	Not available
Viscosity:	Not available	Freezing/Melting Pt.:	Not available
Sat. Vap. Conc.:	Not available	Flash Point:	Not available
Boiling Point:	Not available	Vapor Density:	Not available
Partition Coefficient:	Not available	Auto-Ignition Temp:	Not available
Vapor Pressure:	Not available	UFL/LFL:	Not available
pH:	1.0 - 1.5		
Evap. Rate:	Not available		

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STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Exposure to alkalis and extreme temperatures.
Materials to Avoid:	Strong Oxidizing Agents. Strong Bases.
Hazardous Decomposition:	Thermal decomposition may yield POx, NOx and COx, and phosphine.
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

Phosphonic acid, [nitrilotris(methylene)]tris- (6419-19-8) [<10%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 2,100 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - > 6,310 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - May be slightly irritating to the skin

Serious eye damage/eye irritation: Eyes - rabbit - Moderate eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component 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 component 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 component 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 component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

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Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Synergistic effects: no data available

Additional Information:

RTECS: SZ9860000

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ECOLOGICAL INFORMATION

Phosphonic acid, [nitrilotris(methylene)]tris- (6419-19-8) [<10%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Salmo salar (Atlantic salmon) - 150 mg/l - 96 h.

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 297 mg/l - 48 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

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DISPOSAL CONSIDERATIONS

Phosphonic acid, [nitrilotris(methylene)]tris- (6419-19-8) [<10%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

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TRANSPORT INFORMATION

Not Regulated

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Phosphonic acid, [nitrilotris(methylene)]tris- (6419-19-8) [<10%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

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OTHER INFORMATION

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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