



Safety Data Sheet

January 1, 2022

Surge Hard Surface Cleaner

Section 1: Identification of the Substance/Preparation & of the Company

Product Identifier

Product Name Surge Hard Surface Cleaner

Other Means of Identification

None

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Hard Surface Cleaner & Degreaser
Concentrate to RTU – various applications after dilution

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address Premalux, LLC
300 Lena Drive
Aurora, Ohio 44202

Supplier Phone # 1-330-995-4000

Emergency Telephone Number

Emergency Phone Numbers For Medical Emergencies contact your local physician
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

Section 2: Hazards Identification

Classification

This mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Eye Corrosion / Irritation

Category 2B

GHS Label elements, including precautionary statements

Emergency Overview

| | | |
|--|--------------------------------------|-----------------------------|
| Signal Word | Warning | |
| Hazard Statements H320 - Causes eye irritation | No Pictogram Required | |
| Appearance Light Yellow / Light Amber | Physical State Thin liquid | Odor Soapy / Mild |

Precautionary Statement – Prevention

P262 Do not get in eyes

Precautionary Statements – Response

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

P337+313 If eye irritation persists get medical advice / attention

P301+330+331+312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a Poison Control Center / doctor if you feel unwell

P352 Wash with plenty of water after use

Precautionary Statements – Storage

None

Precautionary Statements – Disposal

P501 Dispose of contents and containers in accordance with all applicable federal, state and local regulations.

Hazards not otherwise classified

Not applicable

Unknown Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

None

Interactions with Other Chemicals

None known

Section 3: Composition / Information on Ingredients

| Chemical Name | CAS-No | Weight % | RTU Weight % | Trade Secret |
|--|------------|-----------|--------------|--------------|
| Alkyl polyglycol ether C6-C12 | 68439-45-2 | 0.2 – 0.7 | 0.05 – 0.2 | * |
| Poly (oxy-1,2-ethanediyl) alpha-phosphono-omega (Methylphenoxy) dipotassium salt | 66057-30-5 | 1.0 – 1.5 | 0.1 – 0.3 | * |
| Alkylpolyglycoside C8-C10 | 68515-73-1 | 1.0 – 1.5 | 0.1 – 0.3 | * |
| Poly(oxy-, 2-ethanediyl), a-undecyl-w-hydroxy- | 34398-01-1 | 2.0 – 2.5 | 0.3 – 0.5 | * |
| Sodium Lauriminodipropionate | 14960-06-6 | 0.5 – 1.0 | 0.1 – 0.3 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret

Section 4: First Aid Measures

First Aid Measures

General Advice

Show this safety data sheet to the doctor in attendance

Eye Contact

Hold eye open & rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If irritation persists, call a poison control center or doctor for treatment advice.

Skin Contact

Not expected to cause skin irritation. Rinse skin immediately with plenty of water. If irritation persists, call a poison control center or doctor for treatment advice.

Inhalation

Move to fresh air. If breathing is affected, call a doctor.

Ingestion

Rinse mouth and have person sip a glassful of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person. Call a poison control center or doctor if you feel unwell.

Most important symptoms and effects, both acute and delayed

Most important Symptoms/Effects

Mild irritation on eyes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically

Section 5: Fire Fighting Measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Explosion Data

Sensitivity to Mechanical Impact

None

Sensitivity to Static Discharge

None

Flash Point

Will NOT burn. Will NOT support flame. Water-based product.

Protective Equipment & Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid contact with eyes & skin

Other Information

Refer to protective measures in Sections 7 and 8

Environmental Precautions

Environmental Precautions

See section 12 for additional ecological information

Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so. Care must be taken if spilled on surfaces as they may become extremely slippery.

Methods for Cleaning Up

Contain liquid, absorb & containerize. Wash residual to sanitary sewer.

Section 7: Handling and Storage

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke when using this product. Wash hands after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a cool, dry and well-ventilated space.

Incompatible Products None known.

Section 8: Exposure Control/ Personal Protection

Control Parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|-----------|----------|------------|
| Alkyl polyglycol ether C6-C12 | None | None | None |
| Poly (oxy-1,2-ethanediyl) alpha-phophono-omega (Methylphenoxy) dipotassium salt | None | None | None |
| Alkylpolyglycoside C8-C10 | None | None | None |
| Poly(oxy-, 2-ethanediyl), a-undecyl-w-hydroxy- | None | None | None |
| Sodium Lauriminodipropionate | None | None | None |

ACHIH TLV: American Conference of Governmental Industrial Hygenists – Threshold Limit Value. OSHA PEL: Occupation Safety & Health Administration – Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate Engineering Controls

Engineering Measures Showers, Eyewash Stations, Ventilation Systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear safety glasses with side-shields or splash-proof goggles. None required for general end-user applications.

Skin/Body Protection No special protective equipment required

Respiratory Protection If irritation is experienced, approved respiratory protection should be worn in accordance with local regulations.

Hygiene Measures Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes or clothing. Do not eat, drink, or smoke when using this product.

Section 9: Physical and Chemical Properties

Physical and Chemical Properties

| | | | |
|-----------------------|---------------------------|-----------------------|--------------------------|
| Physical State | Thin liquid | Odor | Soapy, Mild |
| Appearance | Clear | Odor Threshold | No information available |
| Color | Light yellow, light amber | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks / Method</u> |
|--|---------------------------|-------------------------|
| pH | 7.3 – 7.7 | |
| Melting / Freezing Point | Freeze 32°F / 0°C | |
| Boiling Point / Range | 212°F / 100°C | |
| Flash Point | No data available | Water-based product |
| Evaporation Rate | slower | Butyl acetate std. |
| Flammability (solid, gas) | No data available | |
| Flammability Limits in Air | No data available | Water-based product |
| Upper Flammability Limit | No data available | |
| Lower Flammability Limit | No data available | |
| Vapor Pressure | No data available | Water-based product |
| Vapor Density | No data available | None known |
| Specific Gravity | ~ 1.02 +/- 0.1 | None known |
| Water Solubility | Completely soluble – 100% | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature | No data available | Water-based product |
| Decomposition Temperature | No data available | None known |
| Kinematic Viscosity | As water | None known |
| Dynamic Viscosity | As water | None known |
| Explosive Properties | Not Explosive | |
| Oxidizing Properties | None | Water-based product |

Other Information

| | | |
|----------------------------|-------------------|-------------------------------------|
| Softening Point | No data available | |
| VOC Content (%) | Below 0.02% | VOC emulsifier in two raw materials |
| Particle Size | No data available | |
| Particle Size Distribution | No data available | |

Section 10: Stability and Reactivity

Reactivity

No data available.

Chemical Stability

Product remains stable in all conditions – most stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing

Conditions to avoid

None known

Incompatible materials

Water-based product. Strong oxidizers, strong caustics, strong acids

Hazardous Decomposition Products

None. Solids will concentrate up if boiled.

Section 11: Toxicological Information

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | Exposure to vapor or mist may irritate respiratory tract. |
| Eye Contact | <i>Moderately irritating - Draize Method (data)</i> Causes moderate eye irritation. |
| Skin Contact | <i>Acute dermal toxicity: LD50 > 2000 mg/kg (data)</i> Prolonged contact may cause irritation / defatting of skin. |
| Ingestion | <i>Acute oral toxicity: Oral LD 50 > 2000 mg/kg body weight (data)</i> Ingestion may cause irritation to mucous membranes and gastrointestinal irritation, nausea, vomiting and diarrhea. |

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes and skin dryness / redness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|---------------------------------|---|
| Sensitization | No information available |
| Mutagenic Effects | No information available |
| Carcinogenicity | Contains no ingredients listed as a carcinogen according to NTP, IARC or OSHA |
| Reproductive Toxicity | No information available |
| STOT – single exposure | No information available |
| STOT – repeated exposure | No information available |
| Chronic Toxicity | No known effect |
| Target Organ Effects | Respiratory system, eyes, skin, gastrointestinal tract (GI) |
| Aspiration Hazard | No information available |

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document Not applicable

Section 12: Ecological Information

Ecotoxicity - Acute Toxicity –

| | | |
|-----------------------|-------------------|----------------------------|
| <i>Green algae</i> | <i>EC50 72 hr</i> | <i>190 mg/liter (data)</i> |
| <i>Daphnia</i> | <i>EC50 48 hr</i> | <i>90 mg/liter (data)</i> |
| <i>Fathead Minnow</i> | <i>LC50 96 hr</i> | <i>90 mg/liter (data)</i> |

Persistence and Degradability

Solution is environmentally metabolized within 30 days. All organic substances contained in the product achieve > 60% BOD/COD or CO2 liberation in tests for ease of degradability – OECD method 301B

Bioaccumulation

No information available

Other Adverse Effects

No information available

Section 13: Disposal Considerations

Disposal Methods

This product is considered safe and is residential sewer-able. Dispose of in accordance with all applicable federal, state and local regulations.

Contaminated Packaging

Do not reuse containers – all containers are recyclable. Dispose of in accordance with all applicable federal, state and local regulations.

Section 14: Transport Information

| | |
|--------------------------------|---------------|
| Class 55 Non-Hazardous Product | |
| DOT | Not regulated |
| TDG | Not regulated |
| ICAO | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |

Section 15: Regulatory Information

Chemical Inventories

TSCA All components of this product are either on the TSCA 8(b) Inventory or are otherwise exempt from listing.

DSL/NDSL All components are on the DSL or NDSL.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL – Canadian Domestic Substances List / Non-Domestic Substances List

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does NOT contain any chemicals which are subject to the reporting requirements of the Act of Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or SARA (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---------------|------------|---------------|--------------|--------------|----------|
| none | | | | | |

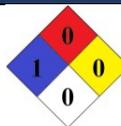
International Regulations

Canada

WHMIS Hazard Class – None

Section 16: Other Information

HMIS CODES: Health Hazard - 1
 Flammability - 0
 Physical Hazard - 0 -
 Personal Protection - X



DATE PREPARED: 06/17/2015

NAME OF PREPARER: DH

REVISION DATE: 01/01/2022

REVISION NOTE: No changes - Annual update

General Disclaimer

CAUTION: Intentional misuse of this chemical product, as with any industrial chemical in contact with the body, can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other contact, or repeated or continuous contact.

Premalux, LLC provides this information in good faith, but makes no representation as to its comprehensiveness or its accuracy. This document is offered as a guide to a trained person for appropriate precautionary handling. Persons using the product and receiving the information must exercise independent judgment in determining the appropriateness of the use and safety information for their particular purpose.

PREMALUX, LLC MAKES NO REPRESENTATIONS WRITTEN OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT. ACCORDINGLY PREMALUX WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE ON THIS INFORMATION.