



January 1, 2023

Safety Data Sheet

Surge Industrial HVAC Coil Cleaner

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

Product Identifier

Product Name Surge Industrial HVAC Coil Cleaner

Recommended use of the chemical and restrictions on use

Recommended Use Outdoor Coil Cleaner for Evaporators & Condensors

Restrictions on Use: Not for washing humans or animals

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
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GHS Label elements, including precautionary statements

Emergency Overview

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

Precautionary Statement – Prevention

P262 Irritant. Do not get in eyes
Wear protective gloves/protective clothing/eye protection/face protection

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 – Disposal

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

Interactions with Other Chemicals

None known

Section 3: Composition / Information on Ingredients

Chemical Name	CAS-No	Weight %	Trade Secret
Ethoxylated Alcohol	160875-66-1	2.0 - 4.0	*
Alkylpolyglycoside C8-C10	68515-73-1	1.0 - 3.0	*
Sodium Lauriminodipropionate	14960-06-6	2.0 - 3.0	*
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	164462-16-2	1.0	*
Tripropylene glycol monobutyl ether	55934-93-5	0.75 - 1.0	*
Citric acid	77-92-9	0.5 – 1.0	*
Benzoic acid	65-85-0	0.5	*
Sodium Hydroxide	1310-73-2	0.3	*

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 and skin.

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 See section 12 for additional ecological information

Methods and material for containment

Methods for Containment Collect liquid with an inert absorbent and transfer to container for reuse or disposal. 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 Rinse spill with water to dilute.

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	CAS-No	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethoxylated Alcohol	160875-66-1	none	none	none
Alkylpolyglycoside C8-C10	68515-73-1	none	none	none
Sodium Lauriminodipropionate	14960-06-6	none	none	none
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	164462-16-2	none	none	none
Tripropylene glycol monobutyl ether	55934-93-5	none	none	none
Citric acid	77-92-9	none	none	none
Benzoic acid	65-85-0	none	none	none
Sodium Hydroxide	1310-73-2	c	c	c

c: 2 mg/m³ in gas

ACGIH TLV: American Conference of Governmental Industrial Hygienists – 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		
Appearance	Clear	Odor	Soapy, Mild
Color	Clear - Light yellow	Odor Threshold	No information available

Property	Values	Remarks / Method
pH	6.0 +/- 0.2	
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 flammable	
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	~ 1.00 +/- 0.1	Close to water
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
Auto ignition Temperature	No data available	Water-based product
Decomposition Temperature	No data available	None known
Kinematic Viscosity	Close to water	None known
Dynamic Viscosity	Close to 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%	
Particle Size	No data available	
Particle Size Distribution	No data available	



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Section 10: Stability & Reactivity

Reactivity

No data available.

Chemical Stability

Product remains 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	Expected Acute dermal toxicity: <i>LD50 > 3000 mg/kg (data)</i> Prolonged contact may cause irritation / defatting of skin.
Ingestion	Expected Acute oral toxicity: <i>Oral LD 50 > 3000 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: No information available

Aquatic: Not tested on finished formulation.

Terrestrial: Not tested on finished formulation.

Persistence and Degradability: Readily Biodegradable based on biodegradation profile of ingredients. Not tested on finished formulation.

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

U.N. Number:	Not applicable
U.N. Proper Shipping Name:	Cleaning Compound, Liquid NOI
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable
Environmental Hazards:	Marine Pollutant - NO
Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code):	Unknown.
Special precautions which user needs to be aware of/comply with in transpo	None known

<u>DOT</u>	Not regulated	<u>TDG</u>	Not regulated
<u>ICAO</u>	Not regulated	<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	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	No
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: 12/10/2020

NAME OF PREPARER: DH

REVISION DATE: 1/1/2023

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.

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End of Safety Data Sheet