A CSW Industrials Company

SAFETY DATA SHEET

COIL-CURE™

Evaporator Coil Cleaner & Disinfectant

Section 1 - Product and Company Information

Product name
Coil-Cure

Product Codes
11070

Chemical Family
Inorganic/Organic

Use
Foaming Coil Cleaner

Manufacturer's Name
RectorSeal LLC
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of validation
February 12, 2020

Date of Preparation
February 12, 2020

HMIS Codes

Health	1
Flammability	0
Reactivity	1
PPI	A

Emergency Telephone No.
Chemtrec 24 Hours
(800) 424-9300 USA
(703) 527-3887 International

Technical Service Telephone No.
(800) 231-3345 or (713) 263-8001

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

OSHA Physical Hazards
Aerosols

GHS CLASSIFICATION

Acute toxicity, Oral, Not Classified
Carcinogenicity, Not Classified,
Acute aquatic toxicity, Not Classified
Skin Corrosion/irritation, Not Classified
Serious Eye Damage/Eye Irritation, (Category 2b)
Specific target organ toxicity (single exposure) Not Classified
Target Organs - Not Classified
Flammable Aerosol, Category 2
Liquefied Gas

GHS Label elements, including precautionary statements



Signal Word: Caution
GHS04: Compressed Gas Cylinder
GHS02: Flammable

Hazard Statements:

WARNING: Flammable Aerosol Contains gas under pressure; May explode if heated. Causes eye irritation.
This product contains the following percentage of chemicals of unknown toxicity: 0%

Precautionary Statements:

Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. 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 attention.

Section 3 - Composition/Information on Ingredients

Ingredient:	2-Butoxyethanol
Percentage by weight:	5-10%
CAS#:	111-76-2
Ingredient:	Propane/n-Butane
Percentage by weight:	3-7%
CAS#:	68476-86-8
Ingredient:	Isopropyl Alcohol
Percentage by weight:	1-5%
CAS#:	67-63-0
Ingredient:	Ethylenediaminetetraacetic Acid (EDTA)
Percentage by weight:	.5-1.5%
CAS#:	60-00-4
Ingredient:	Potassium Hydroxide
Percentage by weight:	.5-1.5%
CAS#:	1310-58-3

Section 4 - First Aid Measures

EYES:	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 or attention.
INGESTION:	Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of warm water. Seek immediate medical attention.
INHALATION:	Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
SKIN:	Wash thoroughly with soap and water. Seek medical attention if irritation develops.
ACUTE HEALTH HAZARDS:	Eyes: redness, tearing, blurred vision
CHRONIC HEALTH HAZARDS:	None known
NOTE TO PHYSICIAN:	There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Dry chemical, carbon dioxide, foam, water spray for cooling

SPECIAL FIRE FIGHTING PROCEDURES:

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Section 6 - Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.
SPILL: Absorb spill with non-combustible material such as vermiculite, sand or earth.
WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.
RCRA STATUS: Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

Section 7 - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

INCOMPATIBILITY:

Strong acids, strong alkalis, strong oxidizing agents.

Section 8 - Exposure Controls/Personal Protection

Ingredient	Units
2-Butoxyethanol	
ACGIH TLV	20 ppm
OSHA PEL	50 ppm
Propane/n-Butane	
ACGIH TLV	1000 ppm
OSHA PEL	1000 ppm
Isopropyl Alcohol	
ACGIH TLV	400 ppm
OSHA PEL	500 ppm
Ethylenediaminetetraacetic Acid (EDTA)	
ACGIH TLV	Not Established
OSHA PEL	15 mg/m3
Potassium Hydroxide	
ACGIH TLV	2 mg/m3
OSHA PEL	2 mg/m3

ENGINEERING CONTROLS / VENTILATION: General ventilation and local exhaust recommended.
RESPIRATORY PROTECTION: Not required under normal use. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.
PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves
ADDITIONAL MEASURES: Wash hands thoroughly after handling.

Section 9 - Physical and Chemical Properties

Boiling Point:	>212 F (>100 C) @ 760mm Hg
Freezing Point	< 32°F (0°C)
Flammability	Flammable Aerosol
Specific Gravity (H_20 = 1):	1.00 @ 77° F (25° C)
pH:	12.3
Vapor Pressure (mm Hg):	17.5 @ 77°F (25°C))
Melting Point:	N/A
Vapor Density (Air = 1):	< 1
Evaporation Rate (Ethyl Acetate = 1):	<1
Appearance/Odor:	White Foam Aerosol/ Citrus scent, moderate ammonia odor
Solubility In Water:	100%
Flash Point:	N/D
Lower Explosion Limit:	N/D
Upper Explosion Limit:	N/D
Solids (%):	3%
Partition Coefficient: n-Octanol/Water (Kow):	N/D
Volatility including Water (%):	>80%
Volatile Organic Compounds (VOC):	16%
Dielectric Strength (Volts):	N/A
Decomposition Temperature:	N/D
Viscosity:	N/D

Section 10 - Stability and Reactivity

REACTIVITY: None Known

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition.

INCOMPATIBILITY: Strong acids, strong alkalis, strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon

POSSIBLE HAZARDOUS REACTIONS: None Known

Section 11 - Toxicology Information

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

Toxicology Data

Ingredient Name

2-Butoxyethanol (111-76-2) LD50 (Oral, Rat) 470 mg/kg; LC50 (Inhalation, Rat, 4hr) 450 ppm; LD50 (Dermal, Rabbit) 220 mg/kg
Isopropyl Alcohol (67-63-0) LD50 (Or Oral,Rat) 5045 mg/kg; LD50 (Oral, Rabbit) 5045 mg/kg; LD50 (Dermal, Rabbit) 12,800 mg/kg; LC50 (Inhalation, Rat, 8hr) 16,000 ppm

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes mild irritation.
INGESTION: May cause gastrointestinal irritation, abdominal cramps.
INHALATION: Irritant. Avoid breathing spray mist. May cause irritation to respiratory tract.
SKIN: May cause mild irritation, dryness with prolonged or repeated contact.
MEDICAL CONDITION AGGRAVATED: None known
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
CHRONIC HEALTH HAZARDS: None known

Section 12 - Ecological Information

Ecological Data

Ingredient Name

ECOLOGICAL INFORMATION: Isopropyl Alcohol (67-63-0) LC50 (Fathead Minnow, 96 hrs) 100,000 mg/L
BIODEGRADABILITY: Component or components of this product are not biodegradable.
BIOACCUMULATION: This product is not expected to bioaccumulate.
SOIL MOBILITY: This product is mobile in soil.
OTHER ECOLOGICAL HAZARDS: None Known

Section 13 - Disposal Considerations

Waste Disposal: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container.

Wrap container and place in trash collection.

RCRA Status: Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

Section 14 - Transportation Information

DOT:	Aerosols, Ltd. Qty., Hazard class/division: 2.1, UN 1950
OCEAN (IMDG):	Aerosols, Ltd. Qty., Hazard class/division: 2.1, UN 1950
AIR (IATA):	Aerosols, Ltd. Qty., Hazard class/division: 2.1, UN 1950

Section 15 - Regulatory Information

Regulatory Data

STSCA STATUS: All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None
SARA 311/312 HAZARD CATEGORIES:
SARA 313 REPORTABLE INGREDIENTS: 2-Butoxyethanol (111-76-2)
CLEAN WATER ACT: None
STATE REGULATIONS: California Proposition 65: None **2-Butoxyethanol (111-76-2)** Right-to-Know acts for New Jersey, Massachusetts, Pennsylvania, Rhode Island, Illinois, Florida, Minnesota; Massachusetts spill list
INTERNATIONAL REGULATIONS: 2-Butoxyethanol (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS).
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:
CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Contents under pressure. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Never throw container into fire or incinerator. EPA Reg. No. 44446-23

NFPA HEALTH: 1
NFPA FLAMMABILITY: 0
NFPA REACTIVITY: 1
NFPA OTHER: None

HMIS HEALTH: 1
HMIS FLAMMABILITY: 0
HMIS REACTIVITY: 1
HMIS PROTECTION: A

Section 16 - Other Information

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001