



A CSW Industrials Company

SAFETY DATA SHEET

SOOTSPRAY™
Burner Soot Remover

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name
SootSpray

Product Codes
68342

Chemical Family
Organic/Inorganic

Use
Boiler Water Treatment

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

HMIS Codes
Health 2
Flammability 3
Reactivity 0
PPI B

Date of validation
June 11, 2020

Date of Preparation
June 11, 2020

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
Flamable Aerosol (Category 2)

GHS CLASSIFICATION

Acute toxicity, Oral,(Category 4)
Dermal: Not Classified
Inhalation: Not Classified
Skin Corrosion/Irritation: (Category 1)
Serious Eye Damage/Eye Irritation: (Category 1)
Respiratory or Skin Sensitization: Not Classified
Germ Cell Mutagenicity: Not Classified
Carcinogenicity: Not Classified
Reproductive Toxicology: Not Classified
Target Organ Systemic Toxicity - Single Exposure: Not Classified
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified
Aspiration Toxicity: Not Classified
Specific target organ toxicity - single exposure (Category 3), Central nervous system

GHS Label elements, including precautionary statements



Signal Word: Danger
GHS04: Gas Cylinder
GHS07: Exclamation Mark
GHS05: Corrosive

Hazard Statements:

- H280 - Contains gas under pressure; may explode if heated.
- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage
- H335 + H336 - May cause respiratory irritation, and drowsiness or dizziness.

Precautionary Statements:

Prevention

- P102 - Keep out of reach of children.
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Pressurized container; do not pierce or burn, even after use.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER/doctor.
- P363 - Wash contaminated clothing before reuse.

Storage

- P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.
- P403 - Store in a well ventilated place.
- P405 - Store locked up.

Disposal

- P501 - Dispose of contents/ container to an approved waste disposal plant.

SUMMARY OF ACUTE HAZARDS

Irritation to eyes, nose, and throat; drowsiness, narcosis, tremors, and other CNS effects at high concentrations. Skin irritation, dermatitis, and defatting.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Nasal and respiratory irritation, dizziness, narcosis, headache, nausea, CNS depression, and unconsciousness.

EYE CONTACT

Watering, blurred vision, inflammation, and irritation which can result in corneal injury.

SKIN CONTACT

Irritation, dermatitis

INGESTION

Nausea, vomiting; CNS depression; irritation of gastrointestinal tract, liver and peritoneal wall; lung congestion.

SUMMARY OF CHRONIC HAZARDS

Skin irritation, contact dermatitis, and defatting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	Glycol Butyl Ether
Percentage by weight:	1-4
CAS#:	111-76-2
EINEC#:	203-905-0
Ingredient:	Tripropyleneglycol methyl ether
Percentage by weight:	1-10
CAS#:	25498-49-1
EINEC#:	247-045-4
Ingredient:	Isopropyl Alcohol
Percentage by weight:	1-10
CAS#:	67-63-0
EINEC#:	200-661-7
Ingredient:	Lithium Hydroxide
Percentage by weight:	1-10
CAS#:	1310-66-3
EINEC#:	215-183-4
Ingredient:	2-Amino-2-methyl-1-propanol
Percentage by weight:	1-5
CAS#:	124-68-5
EINEC#:	204-709-8
Ingredient:	Neodecaoic acid
Percentage by weight:	20-30
CAS#:	26896-20-8
EINEC#:	248-093-9

Ingredient:	Water
Percentage by weight	10-20
CAS#:	7732-18-5
EINEC#:	231-791-2
Ingredient:	Nitrogen
Percentage by weight	1-3
CAS#:	7727-37-9
EINEC#:	281-783-9

SECTION 4 - FIRST AID MEASURES

If INHALED	If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
If on SKIN	Immediately wash with soap and water. Remove and wash any contaminated clothing.
If in EYES	Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.
If SWALLOWED	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, dry chemical, CO₂, or water fog.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained full face piece breathing apparatus and full body protective clothing. Hazardous decomposition products possible (see Section 10). Evacuate area. Dike area as run-off may create additional environmental contamination.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Aerosol cans are under pressure - exposure to temperatures above 120 F can cause bursting or "rocketing" of cans.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Shake well before using. Keep away from heat, sparks and open flames. Prolonged exposure to direct sunshine or storage above 120 F may cause can to burst. Do not puncture or incinerate can.

OTHER PRECAUTIONS:

Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Units
Glycol Butyl Ether	
ACGIH TLV	25 ppm
OSHA PEL	25 ppm
Glycol Ether	
ACGIH TLV	N/D
OSHA PEL	N/D
Isopropyl Alcohol	
ACGIH TLV	400 ppm
OSHA PEL	400 ppm
OSHA STEL	500 ppm
Nitrogen	
ACGIH TLV	N/D
OSHA PEL	N/D

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators during soldering operations until fumes have dissipated.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: Explosion proof

MECHANICAL (GENERAL): Acceptable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent),

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>212 F (>100 C) @ 760mm Hg
Specific Gravity (H ₂ O = 1):	1.12
Vapor Pressure (mm Hg):	N/D
Melting Point:	N/A
Vapor Density (Air = 1):	<1
Evaporation Rate (Ethyl Acetate = 1):	>1
Appearance/Odor:	Clear Liquid / Mild Odor
Solubility In Water:	Soluble
Flash Point:	53 F (12 C) SETA CC
Lower Explosion Limit:	N/D
Upper Explosion Limit:	N/D
VOLATILE ORGANIC COMPOUNDS (VOC)	
Content (Theoretical Percentage By Weight):	14% or (157 g/L)
NFPA AEROSOL LEVEL:	
LOWER EXPLOSION LIMIT:	2.5
UPPER EXPLOSION LIMIT:	12

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Do not store in temperatures above 120 F.

Incompatibility (Materials to Avoid): Oxidizers, acids and bases.

Hazardous Decomposition Products: CO, CO₂, and fragmented hydrocarbons.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS

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

Toxicology Data

Ingredient Name

Glycol Butyl Ether

Oral-Rat adult LD50:	470 mg/kg
Inhalation-Rat LC50:	2900 mg/m ³

Glycol Ether

Oral-Rabbit, adult LDLo:	3300 mg/kg
Inhalation-Rat LC50:	N/D

Isopropyl Alcohol

Oral-Rabbit, adult LD50:	5045 mg/kg
Inhalation-Rat LCLo:	16,000 ppm 4H

Nitrogen

Oral-Rabbit, adult LD50:	N/D
Inhalation-Rat LC50:	160 mg/m ³ /6H

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Data

Ingredient Name

Glycol Butyl Ether

Food Chain Concentration Potential	None
WATERFOWL TOXICITY	N/A
BOD	26%
AQUATIC TOXICITY	1000 ppm/24 hr/brine shrimp/TLm

Glycol Ether

Food Chain Concentration Potential	N/D
WATERFOWL TOXICITY	N/D
BOD	N/D
AQUATIC TOXICITY	N/D

Isopropyl Alcohol

Food Chain Concentration Potential	None
WATERFOWL TOXICITY	N/A
BOD	133%
AQUATIC TOXICITY	900-1100 ppm/24 hr/chub

Nitrogen

Food Chain Concentration Potential	None
WATERFOWL TOXICITY	None
BOD	None
AQUATIC TOXICITY	None

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Classification: Aerosols

Disposal Method: Empty containers can be disposed of in trash. Full containers should be depressurized to separate liquid phase. The liquid phase is considered a D001 ignitable waste and should be incinerated. Dispose of all liquid waste in accordance with all local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT:	Limited Quantity or (LTD-QTY)
OCEAN (IMDG):	UN1950, Aerosols, 2.2, Ltd Qty or Limited Quantity, EmS No. F-D, S-U
AIR (IATA):	UN1950, Aerosols, 2.2, ERG#126

SECTION 15 - REGULATORY INFORMATION

Regulatory Data

Ingredient Name

Glycol Butyl Ether

SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Glycol Ether

SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Isopropyl Alcohol

SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Nitrogen

SARA 313	No
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/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