



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  
Burner soot remover

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

Date of validation  
March 15, 2022

Date of Preparation  
March 15, 2022

HMIS Codes  
Health 2  
Flammability 1  
Reactivity 0  
PPI B

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

Gases Under Pressure: Liquefied Gas  
Skin Corrosive: Category 1  
Eye Damage: Category 1  
Specific Target Organ Toxicity (Single Exposure): Category 3

#### GHS Label elements, including precautionary statements



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

**Hazard Statements:**

Contains gas under pressure; may explode if heated.  
Causes severe skin burns and serious eye damage.  
May cause drowsiness or dizziness.  
This product contains the following percentage of chemicals of unknown toxicity: N/A

**Precautionary Statements:**

Keep away from heat, sparks, open flames and hot surfaces.  
No smoking.  
Pressurized container: Do not pierce or burn, even after use.  
Protect from sunlight.  
Do not expose to temperatures exceeding 50 °C/122 °F.  
Store in a well-ventilated place.  
Do not breathe mists.

**Response**

Wash hands thoroughly after handling.  
Wear protective gloves, protective clothing and eye/face protection.  
If swallowed: Rinse mouth. Do NOT induce vomiting.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor. Use only outdoors or in a well-ventilated area.  
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Dispose of contents and container in accordance with local, state and federal regulations.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredient:</b>	Isopropyl alcohol
Percentage by weight:	5-10%
CAS#:	67-63-0
<b>Ingredient:</b>	Propane
Percentage by weight:	5-10%
CAS#:	74-98-6
<b>Ingredient:</b>	n-Butane
Percentage by weight:	5-10%
CAS#:	106-97-8
<b>Ingredient:</b>	Lithium Hydroxide
Percentage by weight:	1-5%
CAS#:	1310-66-3

## SECTION 4 - FIRST AID MEASURES

If INHALED	Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
If on SKIN	Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek immediate medical attention.
If in EYES	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
If SWALLOWED	Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.

## SECTION 5 - FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, foam, and water fog.

**UNSUITABLE EXTINGUISHING MEDIA:** Water jets or streams.

**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. Use water spray only to cool exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, various hydrocarbons.

### SUMMARY OF ACUTE HAZARDS

Causes severe burns in contact with skin. Causes serious damage to eyes. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### CHRONIC HEALTH HAZARDS

Skin disorders, drying and irritation of the skin. Contact with eyes may cause corneal injury and may result in permanent impairment of vision including blindness.

### NOTE TO PHYSICIAN

Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material.

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

**RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

## SECTION 7 - HANDLING AND STORAGE

**HANDLING AND STORAGE:** Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Store in a cool, dry area.

**OTHER PRECAUTIONS:** Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

**INCOMPATIBILITY:** Strong acids, strong alkalis, strong oxidizing agents, chemically active metals.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Isopropyl alcohol	400 ppm	200 ppm
Propane	1000 ppm	1000 ppm
n-Butane	Not Established	1000 ppm
Lithium hydroxide	Not Established	Not Established

**ENGINEERING CONTROLS / VENTILATION:** Use only outdoors or in a well-ventilated area.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles and chemical resistant gloves.

**ADDITIONAL MEASURES:** Wear protective clothing to prevent repeated or prolonged contact with product. Avoid contact with skin or eyes and avoid breathing vapors. Wash hands after use. If clothing becomes contaminated, immediately remove and wash.

**EXPOSURE GUIDELINES:** N/D

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, colorless spray
ODOR:	Mild odor
ODOR THRESHOLD:	N/D
pH:	10 - 12
MELTING POINT/FREEZING POINT:	N/D
INITIAL BOILING POINT AND BOILING RANGE:	N/D
FLASH POINT:	N/D
EVAPORATION RATE:	N/D
FLAMMABILITY(solid/gas):	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	N/D
LOWER FLAMMABILITY LIMIT:	N/D
UPPER FLAMMABILITY LIMIT:	N/D
EXPLOSIVE LIMIT LOWER (%):	N/D
EXPLOSIVE LIMIT UPPER (%):	N/D
VAPOR PRESSURE (mm Hg):	N/D
VAPOR DENSITY (AIR=1):	N/D
RELATIVE DENSITY (H2O=1):	1.10 - 1.15 @ 77°F (25°C)
SOLUBILITY(IES):	N/D
PARTITION COEFFICIENT:	n-OCTANOL/WATER (KOW): N/D
AUTOIGNITION TEMPERATURE:	N/D
DECOMPOSITION TEMPERATURE:	N/D
VISCOSITY:	N/D

## SECTION 10 - STABILITY AND REACTIVITY

**REACTIVITY:** None known.

**CHEMICAL STABILITY:** Stable.

**POSSIBLE HAZARDOUS REACTIONS:** None known.

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

**INCOMPATIBLE MATERIALS:** Strong acids, strong alkalis, strong oxidizing agents, chemically active metals.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, various hydrocarbons.

## SECTION 11 - TOXICOLOGY INFORMATION

### Toxicological Information

#### Ingredient Name

##### Isopropyl alcohol (67-63-0):

LD50 (Oral, Rat)	5045 mg/kg
LD50 (Dermal, Rabbit)	12870 mg/kg
LC50 (Inhalation, Rat, 4h)	78.6 mg/L

##### Propane (74-98-6):

LC50 (Inhalation, Rat, 4h)	658 mg/L
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##### n-Butane (106-97-8):

LC50 (Inhalation, Rat, 4h)	30957 mg/m <sup>3</sup>
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**ROUTES OF ENTRY:** Eyes, Ingestion, Skin

**EYES:** Causes severe irritation, burning, redness, tearing, pain, may cause lens or corneal damage.

**INGESTION:** Not an expected route of exposure. May cause gastrointestinal irritation, nausea.

**INHALATION:** May cause respiratory tract irritation.

**SKIN:** Causes severe irritation, may cause chemical burns.

**MEDICAL CONDITION AGGRAVATED:** Pre-existing disorders of the eyes, skin and central nervous system (CNS).

**ACUTE HEALTH HAZARDS:** Causes severe burns in contact with skin. Causes serious damage to eyes. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin. Contact with eyes may cause corneal injury and may result in permanent impairment of vision including blindness.

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

## SECTION 12 - ECOLOGICAL INFORMATION

### Ecotoxicity

#### Ingredient Name

##### Isopropyl alcohol (67-63-0):

LC50 (Fish, 96h):	> 100 mg/L
LC50 (Pimephales promelas, 96h)	9640 mg/L
EC50 (Daphnia, 24h)	5102 mg/L

**PERSISTENCE AND DEGRADABILITY:** This product is biodegradable.

**BIOACCUMULATIVE POTENTIAL:** This product is not expected to bioaccumulate.

**MOBILITY IN SOIL:** This product is mobile in soil.

**OTHER ADVERSE EFFECTS:** None known.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

**RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

## SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name: Aerosols, Ltd. Qty.

Hazard Class/Division: 2.2

UN/NA Number: UN1950

Packing Group: N/A

### **Air Shipment**

Proper Shipping Name: Aerosols, non-flammable

Hazard Class/Division: 2.2

UN/NA Number: UN1950

Packing Group: N/A

### **Shipping By Water**

Vessel (IMO/IMDG) Proper Shipping Name: Aerosols

Hazard Class/Division: 2.2

UN/NA Number: UN1950

Packing Group: N/A

Environmental Hazards Water: N/A

## SECTION 15 - REGULATORY INFORMATION

**TSCA STATUS:** All chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None.

**SARA 311/312 HAZARD CATEGORIES:** Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure).

**SARA 313 REPORTABLE INGREDIENTS:** This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

**CLEAN WATER ACT:** None.

**STATE REGULATIONS:** California Proposition 65: This product contains no known chemicals regulated by California Proposition 65.

**INTERNATIONAL REGULATIONS:** No information available.

**VOLATILE ORGANIC COMPOUNDS (VOC):** 26%

<b>NFPA HEALTH:</b>	2
<b>HMIS HEALTH:</b>	2
<b>NFPA FLAMMABILITY:</b>	1
<b>HMIS FLAMMABILITY:</b>	1
<b>NFPA REACTIVITY:</b>	0
<b>HMIS REACTIVITY:</b>	0
<b>NFPA OTHER:</b>	None
<b>HMIS PROTECTION:</b>	B

## 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