

SAFETY DATA SHEET

SDS 0247

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 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Sootspray	HMIS CODES	Health 2
		Flammability	3
		Reactivity	0
PRODUCT CODES	68342	PPI	B
CHEMICAL FAMILY	Organic/Inorganic		
USE	Coil Cleaner		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	Chemtrec 24 Hours
	2601 Spenwick Drive		(800)424-9300 USA
	Houston, Texas 77055 USA		(703)527-3887 International
DATE OF VALIDATION	April 1, 2015	TECHNICAL SERVICE TELEPHONE NO.	(800)231-3345 or (713)263-8001
DATE OF PREPARATION	April 1, 2015		

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 Section 2 -- HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS

None

HEALTH HAZARDS

Acute Toxicity

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Not Classified

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

GHS Label elements, including precautionary statements

Pictogram: GHS07 Exclamation mark, GHS04 Gas Cylinder

Signal Word: Warning

Hazard Statements

H303 - May be harmful if swallowed.

H313 - May be harmful in contact with skin.

H335 + H336 - May cause respiratory irritation, and drowsiness or dizziness.

Precautionary Statements

P102 - Keep out of reach of children.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P262 - Do not get in eyes, on skin, or on clothing.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362 - Take off contaminated clothing and wash before reuse.

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.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Glycol Butyl Ether

PERCENTAGE BY WEIGHT: 1-4

CAS NUMBER: 111-76-2

EINEC: 203-905-0

INGREDIENT: Glycol Ether

PERCENTAGE BY WEIGHT: 1-10

CAS NUMBER: 20324-33-8

EINECS: 243-734-9

INGREDIENT: Isopropyl Alcohol

PERCENTAGE BY WEIGHT: 1-10

CAS NUMBER: 67-63-0

EINECS: 200-661-7

INGREDIENT: Nitrous Oxide

PERCENTAGE BY WEIGHT: 1-3

CAS NUMBER: 10024-97-2

EINECS: 233-032-0

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Section 4 -- FIRST AID MEASURES

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|---------------|---|
| 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. |
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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
Nitrous Oxide	
ACGIH TLV	50 ppm
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 (H20 = 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
 VOLATILE ORGANIC COMPOUNDS(VOC)Content
 (Theoretical Percentage By Weight): 14% or (157 g/L)
 NFPA AEROSOL LEVEL: 1
 LOWER EXPLOSION LIMIT: 2.5
 UPPER EXPLOSION LIMIT: 12

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 Section 10 -- STABILITY AND REACTIVITY
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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, CO, and fragmented hydrocarbons.
 HAZARDOUS POLYMERIZATION: Will not occur.

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 Section 11 -- TOXICOLOGY INFORMATION
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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 LD50:470 mg/kg
 Inhalation-Rat LC50:2900 mg/m3
 Glycol Ether
 Oral-Rat LD50:3300 mg/kg
 Inhalation-Rat LC50:N/D
 Isopropyl Alcohol
 Oral-Rat LD50:5045 mg/kg
 Inhalation-Rat LCLo:16,000 ppm/4H
 Nitrous Oxide
 Oral-Rat LD50:N/D
 Inhalation-Rat LC50:160 mg/m3/6H

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 Section 12 -- Ecological Information
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 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
 Nitrous Oxide
 Food Chain Concentration Potential None
 WATERFOWL TOXICITY None

BOD
AQUATIC TOXICITY

None
None

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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.

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Section 14 -- TRANSPORTATION INFORMATION

DOT: Consumer Commodity, ORM-D

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
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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

Nitrous Oxide

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

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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