

MATERIAL SAFETY DATA SHEET

MSDS 0247

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Sootspray		HMIS CODES	
			Health	2
			Flammability	2
			Reactivity	0
PRODUCT CODES	68342		PPI	B
CHEMICAL FAMILY	Organic/Inorganic			
USE	Coil Cleaner			
MANUFACTURER'S NAME	The RectorSeal Corporation		EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive		Chemtrec 24 Hours	
	Houston, Texas 77055 USA		(800) 424-9300	
VALIDATION DATE	July 5, 2007		TECHNICAL SERVICE TELEPHONE NO.	
REVISION DATE	July 5, 2007		(800) 231-3345	

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
1-4	111-76-2	Glycol Butyl Ether	
		ACGIH TLV	25 ppm
		OSHA PEL	25 ppm
1-10	20324-33-8	Glycol Ether	
		ACGIH TLV	N/D
		OSHA PEL	N/D
1-10	67-63-0	Isopropyl Alcohol	
		ACGIH TLV	400 ppm
		OSHA PEL	400 ppm
		OSHA STEL	500 ppm
1-3	10024-97-2	Nitrous Oxide	
		ACGIH TLV	50 ppm
		OSHA PEL	N/D

Section 3 -- HAZARDS IDENTIFICATION

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 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.

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Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
Negative Flame Extension	N/D	N/D
NFPA Level 1 Aerosol		

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.

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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.

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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

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 (H2O = 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

VOLATILE ORGANIC COMPOUNDS (VOC) Content
(Theoretical Percentage By Weight): 14% or (140 g/L)

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, CO, 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 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

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	None
AQUATIC TOXICITY	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): Aerosols, Class 2.2, UN 1950, IMDG#2102, EMS#2-13

AIR (IATA): Aerosols, Class 2.2, UN 1950, ERG#126

WHMIS (CANADA): Class A

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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
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	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

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

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