

MATERIAL SAFETY DATA SHEET

MSDS 0139

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

	HMIS CODES
PRODUCT NAME Clean-N-Safe Coil Cleaner	Health 2 Flammability 2 Reactivity 0
PRODUCT CODES 83782, 83784, 83785	PPI B
CHEMICAL FAMILY Organic/Inorganic	
USE Coil Cleaner	
MANUFACTURER'S NAME The RectorSeal Corporation 2601 Spenwick Drive Houston, Texas 77055 USA	EMERGENCY TELEPHONE NO. Chemtrec 24 Hours (800)424-9300 USA (703)527-3887 International
DATE OF VALIDATION July 25, 2012	TECHNICAL SERVICE TELEPHONE NO. (800)231-3345 or (713)263-8001
DATE OF PREPARATION July 25, 2012	

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: Harmful / Irritant

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.  
EUH066 - Repeated exposure may cause skin dryness or cracking  
Precautionary Statements - EU No. 1272/2008

---

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: Octylphenoxypolyethoxyethanol

PERCENTAGE BY WEIGHT: --

CAS NUMBER: 9036-19-5

EINEC: N/D

---

INGREDIENT: Dipropylene glycol monomethyl ether

PERCENTAGE BY WEIGHT: --

CAS NUMBER: 34590-94-8

EINECS: 252-104-2

---

INGREDIENT: Sodium Metasilicate

PERCENTAGE BY WEIGHT: --

CAS NUMBER: 6834-92-0

EINECS: 229-912-9

---

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, CO<sub>2</sub>, 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: Foam or water can cause frothing. Heat may build up pressure and rupture containers.

---

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.

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
Octylphenoxypolyethoxyethanol	
ACGIH TLV	N/D
OSHA PEL	N/D

---

Dipropylene glycol monomethyl ether	
ACGIH TLV	100 ppm
OSHA PEL	100 ppm

---

Sodium Metasilicate	
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.

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): 1.04  
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: 145F (63C) SETA CC  
LOWER EXPLOSION LIMIT: N/D  
UPPER EXPLOSION LIMIT: N/D

---

Section 10 -- STABILITY AND REACTIVITY

---

STABILITY: Stable  
CONDITIONS TO AVOID: None  
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

---

Octylphenoxyethoxyethanol  
Oral-Rat LD50:4190 mg/kg  
Inhalation-Rat LC50:N/D  
Dipropylene glycol monomethyl ether  
Oral-Rat LD50: 5135 mg/kg  
Inhalation-Rat LC50:N/D  
Sodium Metasilicate  
Oral-Rat LD50:1153 mg/kg  
Inhalation-Rat LC50:N/D

---

Section 12 -- Ecological Information

---

ECOLOGICAL DATA  
Ingredient Name

---

Octylphenoxypolyethoxyethanol		
	Food Chain Concentration Potential	N/D
	WATERFOWL TOXICITY	N/D
	BOD	N/D
	AQUATIC TOXICITY	N/D
Dipropylene glycol monomethyl ether		
	Food Chain Concentration Potential	N/D
	WATERFOWL TOXICITY	N/D
	BOD	N/D
	AQUATIC TOXICITY	N/D
Sodium Metasilicate		
	Food Chain Concentration Potential	N/D
	WATERFOWL TOXICITY	N/D
	BOD	N/D
	AQUATIC TOXICITY	N/D

=====  
Section 13 -- DISPOSAL CONSIDERATIONS  
-----

Waste Classification: Non-regulated liquid waste  
Disposal Method: Dispose of all liquid waste in accordance with all local, state and federal regulations.

=====  
Section 14 -- TRANSPORTATION INFORMATION  
-----

DOT: Non-Regulated  
OCEAN (IMDG): Non-Regulated  
AIR (IATA): Non-Regulated  
WHMIS (CANADA): N/A

=====  
Section 15 -- REGULATORY INFORMATION  
-----

REGULATORY DATA  
Ingredient Name  
-----

Octylphenoxypolyethoxyethanol		
	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	N/A
	RCRA Code	N/A
Dipropylene glycol monomethyl ether		
	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	N/A
	RCRA Code	N/A
Sodium Metasilicate		
	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