

## MATERIAL SAFETY DATA SHEET

MSDS 0269

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME	Continental No. 1	HMIS CODES	Health 2
		Flammability	0
		Reactivity	0
PRODUCT CODES	88422	PPI	B
CHEMICAL FAMILY	Organic		
USE	Cleaner & Degreaser		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive	Chemtrec 24 Hours	
	Houston, Texas 77055 USA	(800) 424-9300	
DATE OF PREPARATION	August 15, 2003	TECHNICAL SERVICE TELEPHONE NO.	
		(800) 231-3345	

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

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% by WT	CAS No.	INGREDIENT	UNITS
40	75-09-2	Methylene Chloride	
		ACGIH TLV	50 ppm
		OSHA PEL	25 ppm
		OSHA STEL	125 ppm
35	64742-47-8	Mineral Spirits	
		ACGIH TLV	N/D
		OSHA PEL	N/D
25	127-18-4	Tetrachloroethylene	
		ACGIH TLV	50 ppm
		OSHA PEL	25 ppm
		OSHA STEL	200 ppm

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Section 3 -- HAZARDS IDENTIFICATION

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## SUMMARY OF ACUTE HAZARDS

Repeated inhalation may cause dizziness, nausea and CNS effects. May cause severe eye and skin irritation.

## ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

## INHALATION

Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

## EYE CONTACT

Contact with eyes may cause severe irritation.

## SKIN CONTACT

Irritation and drying.

## INGESTION

May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

## 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  
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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  
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FLASH POINT	LEL	UEL
None	N/D	N/D

Negative Flame Extension, (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: Decomposition products generated in a fire include poisonous and corrosive phosgene and hydrogen chloride.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use absorbent materials to prevent footing hazard and to contain. Ventilate area with 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  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool area away from heat and all sources of ignition. Do not expose to moisture. In the absence of moisture at ordinary temperature, methylene chloride and tetrachloroethylene is relatively stable when compared with its congeners, chloroform, and carbon tetrachloride.

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.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
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RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirator.

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.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES  
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BOILING POINT: 165 F (74 C)@ 760mm Hg  
SPECIFIC GRAVITY (H2O = 1): 1.1  
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: Insoluble

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Section 10 -- STABILITY AND REACTIVITY  
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STABILITY: Stable  
CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing, acidic and basic conditions.  
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. Methylene chloride has been shown to cause cancer in certain laboratory animals. Risk to your health depends on level and duration of exposure.

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TOXICOLOGY DATA

Ingredient Name

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Methylene Chloride

Oral-Rat LD50:1600 mg/kg  
Inhalation-Rat LC50:88,000 mg/m3/30M

Mineral Spirits

Oral-Rat LD50:>34,600 mg/kg  
Inhalation-Rat LC50:>21,400 mg/m3/4H

Tetrachloroethylene

Oral-Rat LD50:2629 mg/kg  
Inhalation-Rat LC50:34,200 mg/m3/8H

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Section 12 -- Ecological Information  
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ECOLOGICAL DATA

Ingredient Name

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Methylene Chloride

Food Chain Concentration Potential	None
WATERFOWL TOXICITY	N/A
BOD	N/A
AQUATIC TOXICITY	N/A

Mineral Spirits

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

Tetrachloroethylene

Food Chain Concentration Potential	None
WATERFOWL TOXICITY	N/A
BOD	None
AQUATIC TOXICITY	N/A

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Section 13 -- DISPOSAL CONSIDERATIONS  
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Waste Classification: Halogenated Solvents

Disposal Method: Empty containers can be disposed of in trash. Liquid waste is considered a U210 and U080 hazardous 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  
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DOT: Toxic liquid, organic, n.o.s.(methylene chloride & perchloroethylene),  
Class 6.1 UN 2810, PG III, ERG#153  
OCEAN (IMDG): Toxic liquid, organic, n.o.s.(methylene chloride &  
perchloroethylene), Class 6.1, UN 2810, PG III, IMDG#6270-1, EmS No. 6.1-02  
AIR (IATA): Toxic liquid, organic, n.o.s.(methylene chloride &  
perchloroethylene), Class 6.1 UN 2810, PG III, ERG#153  
WHMIS (CANADA): Class D Division 1, Subdivision B  
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Section 15 -- REGULATORY INFORMATION  
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REGULATORY DATA

Ingredient Name  
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Methylene Chloride

SARA 313	Yes
TSCA Inventory	Yes
CERCLA RQ	1000 lbs.
RCRA Code	U080

Mineral Spirits

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

Tetrachloroethylene

SARA 313	Yes
TSCA Inventory	Yes
CERCLA RQ	100 lbs.
RCRA Code	U210

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CALIFORNIA PROPOSITION 65

This product contains tetrachloroethylene and methylene chloride known to the state of California to cause cancer and/or birth defects or reproductive harm.

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Section 16 -- OTHER INFORMATION  
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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