

MATERIAL SAFETY DATA SHEET

MSDS 0174

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	PVC-12	HEALTH	3
		FLAMMABILITY	3
		REACTIVITY	1
PRODUCT CODES	56157, 56159	PPI	B
CHEMICAL FAMILY:	Organic		
USE	PVC Solvent Cement		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	Chemtrec 24 Hours
	2601 Spenwick Drive		(800) 424-9300
	Houston, Texas 77055 USA		
DATE OF PREPARATION	August 3, 2005	TECHNICAL SERVICE TELEPHONE NO.	(800) 231-3345

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
27-42	78-93-3	Methyl Ethyl Ketone	
		ACGIH TLV	200 ppm
		OSHA PEL	200 ppm
		STEL	300 ppm
45-60	109-99-9	Tetrahydrofuran	
		ACGIH TLV	50 ppm
		OSHA PEL	200 ppm
		STEL	250 ppm
20-30	108-94-1	Cyclohexanone	
		ACGIH TLV	20 ppm (skin)
		OSHA PEL	50 ppm

Section 3 -- HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

EYE CONTACT

Severely irritating. If not removed promptly, will injure eye tissue, which can result in permanent damage.

SKIN CONTACT

Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.

INGESTION

Low order of toxicity. Small amounts of the liquid aspirated into the



KEEP OUT OF REACH OF CHILDREN.

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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 purifying or supplied air respirators.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: Explosion-proof equipment.

MECHANICAL (GENERAL): Preferable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: 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: 151 F (66 C) @ 760mm Hg

SPECIFIC GRAVITY (H2O = 1): 0.93

VAPOR PRESSURE (mm Hg): 140 @ 68 F (20 C)

MELTING POINT: N/A

VAPOR DENSITY (AIR = 1): 2.5

EVAPORATION RATE (ETHYL ACETATE = 1): 6

APPEARANCE/ODOR: Clear or Gray Liquid/Pungent Odor

SOLUBILITY IN WATER: Soluble

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Section 10 -- STABILITY AND REACTIVITY

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STABILITY: Can form potentially explosive peroxides upon long standing in air.

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, CO2, HCl 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. Tetrahydrofuran - The National Toxicology Program has reported that exposures of mice and rats to THF vapor levels up to 1800 ppm 6hr/day, 5 days/week for their lifetime caused an incidence of kidney tumors in male rats and liver tumors in female mice. The significance of these findings for human health are unclear at this time, and may be related to "species specific" effects. Elevated incidences of tumors in humans have not been reported for THF.

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TOXICOLOGY DATA

Ingredient Name

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Methyl Ethyl Ketone

Oral-Rat LD50:2737 mg/kg

Inhalation-Rat LC50:23,500 mg/m3/8H

Tetrahydrofuran  
Oral-Rat LD50:1650 mg/kg  
Inhalation-Rat LC50:21,000 ppm/3H  
Cyclohexanone  
Oral-Rat LD50:1535 mg/kg  
Inhalation-Rat LC50:8000 ppm/4H

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Section 12 -- Ecological Information  
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ECOLOGICAL DATA  
Ingredient Name  
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Methyl Ethyl Ketone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: 214%  
AQUATIC TOXICITY: 5640 mg/l/48 hr/bluegill/TLm/fresh water  
Tetrahydrofuran  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: N/A  
Cyclohexanone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: N/A

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Section 13 -- DISPOSAL CONSIDERATIONS  
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Waste Classification: RCRA classified hazardous waste. Dispose of absorbed materials and liquid waste in approved, controlled incineration facility in accordance with all local, state and federal regulations.  
Disposal Method: Incineration  
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Section 14 -- TRANSPORTATION INFORMATION  
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DOT: Adhesives, Class 3, UN 1133, PG II, ERG#127.  
Quarts and less: Consumer Commodity, ORM-D  
OCEAN (IMDG): Adhesives, Class 3, UN 1133, PG II, IMDG#3174, EMS#3-05, MFAG#330  
Quarts and less: Adhesives, Class 3, UN 1133, PG II, Limited Quantities or Ltd Qty  
AIR (IATA): Adhesives, Class 3, UN 1133, PG II, ERG#127  
WHMIS (CANADA): Class B-2  
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Section 15 -- REGULATORY INFORMATION  
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REGULATORY DATA  
Ingredient Name  
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Methyl Ethyl Ketone  
SARA 313 Yes  
TSCA Inventory Yes  
CERCLA RQ 5,000 lb.  
RCRA Code U159  
Tetrahydrofuran

	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	1,000 lb.
	RCRA Code	U213
Cyclohexanone		
	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	5,000 lb.
	RCRA Code	U057

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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