

MATERIAL SAFETY DATA SHEET

MSDS 0273

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Zipp	HMIS CODES	Health	:
			Flammability	(
			Reactivity)
PRODUCT CODES	82642	PPI		1
CHEMICAL FAMILY	Organic			
USE	Cleaner & Degreaser			
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	Chemtrec 24 Hours	
	2601 Spenwick Drive		(800) 424-9300	
	Houston, Texas 77055 USA			
VALIDATION DATE	August 14, 2006	TECHNICAL SERVICE TELEPHONE NO.	(800) 231-3345	
REVISION DATE	August 14, 2006			

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
92	127-18-4	Tetrachloroethylene	
		ACGIH TLV	50 ppm
		OSHA PEL	25 ppm
		OSHA STEL	200 ppm
5	75-09-2	Methylene Chloride	
		ACGIH TLV	50 ppm
		OSHA PEL	25 ppm
		OSHA STEL	125 ppm

Section 3 -- HAZARDS IDENTIFICATION

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

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated area 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

BOILING POINT: 104 F (40 C) @ 760mm Hg
SPECIFIC GRAVITY (H2O = 1): 1.27
VAPOR PRESSURE (mm Hg): 350 mm HG @ 20 C
MELTING POINT: N/A
VAPOR DENSITY (AIR = 1): 2.9
EVAPORATION RATE (ETHYL ACETATE = 1): >1
APPEARANCE/ODOR: Clear Liquid / Mild Odor
SOLUBILITY IN WATER: Insoluble
VOLATILE ORGANIC COMPOUNDS (VOC) Content
(Theoretical Percentage By Weight): 97% or (970 g/L)

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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, CO₂, and fragmented hydrocarbons.
HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11 -- TOXICOLOGY INFORMATION

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.

TOXICOLOGY DATA

Ingredient Name

Tetrachloroethylene

Oral-Rat LD50: 2629 mg/kg

Inhalation-Rat LC50: 34,200 mg/m³/8H

Methylene Chloride

Oral-Rat LD50: 1600 mg/kg

Inhalation-Rat LC50: 88,000 mg/m³/30M

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Section 12 -- Ecological Information

ECOLOGICAL DATA

Ingredient Name

Tetrachloroethylene

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

Methylene Chloride

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

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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 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

DOT: Aerosols, Class 2.2, UN 1950, ERG#126

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, (Class D Division 1, Subdivision B)

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Section 15 -- REGULATORY INFORMATION

REGULATORY DATA

Ingredient Name

Tetrachloroethylene

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

Methylene Chloride

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

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.

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