## MATERIAL SAFETY DATA SHEET

MSDS 0074

	Section 1	PRODUCT AND COMPAI	WY IDE	NTIFI	CATION		
					HMIS CODES		
PRODUCT NA	AME				Health	3	
Gene 40	)4				Flammability	3	
					Reactivity		
PRODUCT CO	DDES				PPI	В	
55011,	55013, 55014,	55015, 55017, 55	019				
CHEMICAL F							
Organic	3						
JSE							
PVC Sol	Lvent Cement						
MANUFACTURER'S NAME				EMERGENCY TELEPHONE NO.			
The RectorSeal Corporation				Chemtrec 24 Hours			
2601 Spenwick Drive				(800) 424-9300			
	ı, Texas 7705	55 USA					
/ALIDATION			T		CAL SERVICE TELEPHO	NE NO.	
	L4, 2006			(800)	231-3345		
REVISION D							
March 1	.4. 2000						
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		COMPOSITION/INFOR			======================================		
	Section 2	COMPOSITION/INFOR	MATION	ON I	NGREDIENTS		
 } by WT	Section 2 CAS No.	COMPOSITION/INFOR	MATION		NGREDIENTS		
 } by WT	Section 2 CAS No.	COMPOSITION/INFORM INGREDIENT Methyl Ethyl Ket	MATION	ON I	NGREDIENTS		
  } by WT	Section 2 CAS No.	COMPOSITION/INFORM INGREDIENT Methyl Ethyl Kethyl Kethyl ECGIH TLV	MATION  one 200	ON I	NGREDIENTS		
  by WT	Section 2 CAS No.	COMPOSITION/INFORM INGREDIENT Methyl Ethyl Kethyl COSHA PEL	MATION  one 200 200	ON I	NGREDIENTS		
=====================================	Section 2  CAS No. 78-93-3	COMPOSITION/INFORM INGREDIENT Methyl Ethyl Kethyl ACGIH TLV OSHA PEL STEL	MATION  one 200 200	ON I	NGREDIENTS		
=====================================	Section 2  CAS No. 78-93-3	COMPOSITION/INFORM INGREDIENT Methyl Ethyl Kethyl ACGIH TLV OSHA PEL STEL Tetrahydrofuran	MATION one 200 200 300	ON I	NGREDIENTS		
======================================	Section 2  CAS No. 78-93-3	COMPOSITION/INFORM INGREDIENT Methyl Ethyl Keto ACGIH TLV OSHA PEL STEL Tetrahydrofuran ACGIH TLV	mation one 200 200 300	ON I	NGREDIENTS		
======================================	Section 2  CAS No. 78-93-3	INGREDIENT Methyl Ethyl Kete ACGIH TLV OSHA PEL STEL Tetrahydrofuran ACGIH TLV OSHA PEL	mation one 200 200 300 50 200	ON I	NGREDIENTS		
======================================	Section 2  CAS No. 78-93-3	INGREDIENT Methyl Ethyl Kete ACGIH TLV OSHA PEL STEL Tetrahydrofuran ACGIH TLV OSHA PEL STEL TETRAHYDROFURAN	mation one 200 200 300 50 200	ON I	NGREDIENTS		
======================================	Section 2  CAS No. 78-93-3	INGREDIENT Methyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Et	MATION one 200 200 300 50 200 250	ON I	NGREDIENTS S		
	Section 2  CAS No. 78-93-3	INGREDIENT Methyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Et	MATION one 200 200 300 50 200 250	ON I	NGREDIENTS S		
e by WT 40 20-60	Section 2  CAS No. 78-93-3	INGREDIENT Methyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Et	MATION one 200 200 300 50 200 250 20 50	ON I	NGREDIENTS S		
% by WT 40 20-60	Section 2  CAS No. 78-93-3	INGREDIENT Methyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Ketchyl Ethyl Et	MATION one 200 200 300 50 200 250 20 50	ON I	NGREDIENTS S (skin)		

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 respiratorytract 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 respiratory system during ingestion, or from vomiting, may cause

bronchiopneumonia or pulmonary edema.

SUMMARY OF CHRONIC HAZARDS

Repeated or prolonged exposure may cause signs of central nervous system depression and respiratory irritation. This material has been shown to induce tumors in laboratory animals.

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 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

. Obtain emergency medical attention. Prompt

action is essential.

If on SKIN: Immediately flush with large amounts of water; use soap

if available. Remove contaminated clothing.

If in EYES: Immediately flush with large amounts of water for at least

15 minutes. Get prompt medical attention.

If SWALLOWED: If swallowed, DO NOT induce vomiting. Keep at rest. Get

prompt medical attention.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT LEL UEL 28 F (-2 C) SETA CC 2% 11.8

EXTINGUSING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable - very low flash point. Vapors are heavier than air and may travel along ground or to low spots at considerable distance to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture closed 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.

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Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames. If transferring this material to other containers, ground all containers to avoid static electricity buildup and discharge which may ignite flammable vapors.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all products precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

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
    _______
BOILING POINT:
                                151 F (66 C) @ 760mm Hg
SPECIFIC GRAVITY (H20 = 1):
                                0.93
VAPOR PRESSURE (mm Hg):
                               140 @ 68 F (20 C)
MELTING POINT:
                               N/A
VAPOR DENSITY (AIR = 1):
EVAPORATION RATE (ETHYL ACETATE = 1): 6
APPEARANCE/ODOR:
                                Clear Liquid/Pungent Odor
SOLUBILITY IN WATER:
VOLATILE ORGANIC COMPOUNDS (VOC) Content
(Theoretical Percentage By Weight): 87.2% or (872 g/L)
Section 10 -- STABILITY AND REACTIVITY
STABILITY: Can form potentially explosive peroxides upon long standing in
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.
Section 11 -- TOXICOLOGY INFORMATION
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.
______
TOXICOLOGY DATA
Ingredient Name
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
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Inhalation-Rat LC50:8000 ppm/4H
Section 12 -- Ecological Information
ECOLOGICAL DATA
Ingredient Name
Methyl Ethyl Ketone
             Food Chain Concentration Potential: None
             WATERFOWL TOXICITY: N/A
             BOD: 214%
             AQUATIC TOXICITY: 5640 mg/1/48 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
Section 13 -- DISPOSAL CONSIDERATIONS
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
Section 14 -- TRANSPORTATION INFORMATION
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
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 RO
                         5,000 lb.
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RCRA Code U057

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