

Material Safety Data Sheet

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Waxman Consumer Products Group Inc. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheet.

SECTION I - GENERAL INFORMATION																												
Waxman Consumer Products Group Inc. 24455 Aurora Road Bedford Heights, Ohio 44146 Telephone No: 1-440-439-1830 Fax No: 1-440-439-1262	For chemical emergencies during transportation only call INFOTRAC 1-800-535-5053 24 hours per day - 7 days a week																											
Date Prepared <p style="text-align: center;">1/1/02</p>	Trade Name <p style="text-align: center;">PVC CEMENT CLEAR (RB)</p>																											
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION																												
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL																								
TETRAHYDROFURAN	109-99-9	30-40	200ppm	200ppm																								
METHYL ETHYL KETONE *	78-93-3	20-30	200ppm	200ppm																								
CYCLOHEXANONE	108-94-1	5-10	25ppm	50ppm																								
*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.																												
<u>SHIPPING INFORMATION</u>	<u>SPECIAL HAZARD DESIGNATIONS</u>																											
<p style="text-align: center;"><u>UNDER ONE GALLON SIZE</u> CONSUMER COMMODITY ORM-D</p> <p style="text-align: center;"><u>ONE GALLON SIZE AND ABOVE</u> SHIPPING NAME: ADHESIVES, CONTAINING A FLAMMABLE LIQUID HAZARD CLASS: 3 I.D. NUMBER: UN1133 PACKING GROUP: II FREIGHT CLASS: 55 LABEL REQUIRED: FLAMMABLE LIQUID</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;"><u>HMIS</u></th> <th style="width: 10%; text-align: center;"><u>NFPA</u></th> <th style="width: 50%; text-align: center;"><u>HAZARD RATING</u></th> </tr> </thead> <tbody> <tr> <td>HEALTH</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td>0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> <td>1- SLIGHT</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td>2- MODERATE</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">H</td> <td></td> <td>3- SERIOUS</td> </tr> <tr> <td></td> <td></td> <td></td> <td>4- SEVERE</td> </tr> </tbody> </table>					<u>HMIS</u>	<u>NFPA</u>	<u>HAZARD RATING</u>	HEALTH	2	2	0 - MINIMAL	FLAMMABILITY	3	3	1- SLIGHT	REACTIVITY	0	1	2- MODERATE	PROTECTIVE EQUIPMENT	H		3- SERIOUS				4- SEVERE
	<u>HMIS</u>	<u>NFPA</u>	<u>HAZARD RATING</u>																									
HEALTH	2	2	0 - MINIMAL																									
FLAMMABILITY	3	3	1- SLIGHT																									
REACTIVITY	0	1	2- MODERATE																									
PROTECTIVE EQUIPMENT	H		3- SERIOUS																									
			4- SEVERE																									
SECTION III - PHYSICAL DATA																												
APPEARANCE CLEAR LIQUID	ODOR ETHER-LIKE ODOR	BOILING POINT 151°F																										
SPECIFIC GRAVITY (H₂O=1) 0.91	VAPOR PRESSURE (mm Hg.) 143	VOLATILE BY VOLUME (%) 85-90%																										
VAPOR DENSITY (AIR=1) 2.5	EVAPORATION RATE (BUAC=1) 8	SOLUBILITY IN WATER SOLVENT PORTION COMPLETE. RESIN PORTION PRECIPITATES.																										
SECTION IV - FIRE AND EXPLOSION HAZARD DATA																												

FLASH POINT (METHOD USED) 6°F (TCC)	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LEL	UEL
		2%	12%

FIRE EXTINGUISHING MEDIA
CARBON DIOXIDE OR DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES
EVACUATE ENCLOSED AREAS, STAY UPWIND. CLOSE OR CONFINED QUARTERS REQUIRE SELF-CONTAINED BREATHING APPARATUS, POSITIVE PRESSURE HOSE MASKS OR AIRLINE MASKS. USE WATER SPRAY TO COOL CONTAINERS, TO FLUSH SPILLS FROM SOURCE OF IGNITION AND TO DISPERSE VAPORS.

UNUSUAL FIRE AND EXPLOSION HAZARD
FIRE HAZARD BECAUSE OF LOW FLASH POINT AND HIGH VOLATILITY. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OR ENTRY Inhalation Skin contact Eye contact Ingestion

EFFECT OF OVEREXPOSURE
INHALATION: SEVERE OVEREXPOSURE MAY RESULT IN NAUSEA, DIZZINESS, HEADACHE. CAN CAUSE DROWSINESS, IRRITATION OF EYES AND NASAL PASSAGES.
SKIN: SKIN IRRITANT. LIQUID CONTACT MAY REMOVE NATURAL SKIN OILS RESULTING IN IRRITATION. DERMATITIS MAY OCCUR WITH PROLONGED CONTACT.
EYES: FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES AND CALL A PHYSICIAN.
INGESTION: GIVE 1 OR 2 GLASSES OF WATER OR MILK. DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYES, SKIN OR RESPIRATORY SYSTEM MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

EMERGENCY AND FIRST AID PROCEDURES
INHALATION: IF OVERCOME BY VAPORS, REMOVE TO FRESH AIR AND IF BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL PHYSICIAN.
EYES: FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES AND CALL A PHYSICIAN.
SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.
INGESTION: GIVE 1 OR 2 GLASSES OF WATER OR MILK. DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER SOURCES OF IGNITION.
	STABLE	X	

INCOMPATIBILITY (MATERIALS TO AVOID)
CAUSTICS, AMMONIA, INORGANIC ACIDS, CHLORINATED COMPOUNDS, STRONG OXIDIZERS AND ISOCYANATES.

HAZARDOUS DECOMPOSITION PRODUCTS
WHEN FORCED TO BURN, THIS PRODUCT GIVES OUT CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE AND SMOKE.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER SOURCES OF IGNITION.
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
ELIMINATE ALL IGNITION SOURCES. AVOID BREATHING OF VAPORS. KEEP LIQUID OUT OF EYES. FLUSH WITH LARGE AMOUNT OF WATER. CONTAIN LIQUID WITH SAND OR EARTH. ABSORB WITH SAND OR NONFLAMMABLE ABSORBENT MATERIAL AND TRANSFER INTO STEEL DRUMS FOR RECOVERY OR DISPOSAL. PREVENT LIQUID FROM ENTERING DRAINS.

WASTE DISPOSAL METHOD
FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS. CONSULT DISPOSAL EXPERT. CAN BE DISPOSED OF BY INCINERATION. EXCESSIVE QUANTITIES SHOULD NOT BE PERMITTED TO ENTER DRAINS. EMPTY
CONTAINERS SHOULD BE AIR DRIED BEFORE DISPOSING. HAZARDOUS WASTE CODE:214.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW ESTABLISHED EXPOSURE LIMITS CONTAINED IN SECTION II. IF AIRBORNE CONCENTRATIONS EXCEED THOSE LIMITS, USE OF A NIOSH-APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR WITH FULL FACE-PIECE IS RECOMMENDED. THE EFFECTIVENESS OF AN AIR PURIFYING RESPIRATOR IS LIMITED. USE IT ONLY FOR A SINGLE SHORT-TERM EXPOSURE. FOR EMERGENCY AND OTHER CONDITIONS WHERE SHORT TERM EXPOSURE GUIDELINES MAY BE EXCEEDED, USE AN APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

VENTILATION
USE ONLY WITH ADEQUATE VENTILATION. PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP CONTAMINANTS BELOW APPLICABLE EXPOSURE LIMITS SET FORTH IN SECTION II. USE ONLY EXPLOSION PROOF VENTILATION EQUIPMENT.

PROTECTIVE GLOVES PVA COATED GLOVES	EYE PROTECTION SPLASHPROOF CHEMICAL GOGGLES
---	---

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES
IMPERVIOUS APRON AND A SOURCE OF RUNNING WATER TO FLUSH OR WASH THE EYES AND SKIN IN CASE OF CONTACT.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN SHADE BETWEEN 40°F - 110°F. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER SOURCES OF IGNITION. AVOID PROLONGED BREATHING OF VAPOR. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. TRAIN EMPLOYEES ON ALL SPECIAL HANDLING PROCEDURES BEFORE THEY WORK WITH THIS PRODUCT.

OTHER PRECAUTIONS

FOLLOW ALL PRECAUTIONARY INFORMATION GIVEN ON CONTAINER LABEL, PRODUCT BULLETINS AND OUR SOLVENT CEMENTING LITERATURE. ALL HANDLING EQUIPMENT SHOULD BE ELECTRICALLY GROUNDED.

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.