

GARLAND MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLOOR-LOC VOC

REVISION DATE: 02/22/07

PRODUCT CODE: 1814-PA

REPLACES: 03/15/05

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SECTION I - CHEMICAL PRODUCT/COMPANY IDENTIFICATION

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CHEMICAL NAME: MIXTURE

CAS NUMBER: NOT APPLICABLE

PRODUCT DESCRIPTION: TWO COMPONENT POLYESTER/ALIPHATIC POLYURETHANE FLOOR SEALER

HMS CODES: HEALTH=2\*; FLAMABILITY=3; REACTIVITY=0; PROTECTIVE EQUIPMENT=G

MANUFACTURER/SUPPLIER: GARLAND CANADA, INC.  
 1296 Martin Grove  
 Toronto, Ontario, Canada M9W4X3  
 (416) 747-7995

24HR. EMERGENCY ASSISTANCE: 1-800-762-8225

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SECTION II - HAZARDOUS INGREDIENTS/COMPOSITION

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	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE	WEIGHT PERCENT
		OSHA PEL	ACGIH TLVR	OSHA STEL	MM Hg @ TEMP	
NORMAL BUTYL ACETATE SATURATED POLYESTER	123-86-4	150 PPM	150 PPM	200 PPM	10.0 66øF	7
POLYOL (NON-HAZARDOUS)	UNKNOWN	NONE	NONE	NONE	N/A	
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	NONE	NONE	NONE	3.7 68øF	
*XYLENE	1330-20-7	100 PPM	100 PPM	150 PPM	5.1 68øF	2
CELLULOSE ACETATE BUTYRATE ESTER	9004-36-8	NONE	NONE	NONE	N/A	
METHYL N AMYL KETONE	110-43-0	100 PPM	50 PPM	NONE	2.1 68øF	
DIBUTYL TIN DILUARATE	77-58-7	.1mg/m3	.1mg/m3	.1mg/m3	N/A	
PROPRIETARY NON-HAZARDOUS ADDITIVES	UNKNOWN	NONE	NONE	NONE	N/A	
2,6-DIMETHYL-4-HEPTANONE	108-83-8	25 PPM	25 PPM	NONE	1.0 90øF	
*ETHYL BENZENE	100-41-4	100 PPM	100 PPM	125 PPM	1.0 14øF	<0.5%
PIGMENT (NON HAZARDOUS IN LIQUID FORM)	UNKNOWN	10mg/m3	10mg/m3	5mg/m3	N/A	
ETHYL 3-ETHOXYPROPIONATE	763-69-9	NONE	NONE	NONE	1.1 77øF	

\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372

XYLENE STEL=150 PPM (ACGIH) METHYL N-AMYL KETONE STEL (ACGIH)=100 PPM

N/A = Not Applicable

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SECTION III - HAZARDS IDENTIFICATION

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INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SOLVENT VAPORS ARE IRRITATING TO THE EYES, NOSE AND THROAT AND RESPIRATORY TRACT RESULTING IN DRYNESS OF THE THROAT AND TIGHTNESS IN THE CHEST. OTHER SYSTEMS INCLUDE HEADACHE, NAUSEA, FATIGUE AND LOSS OF APPETITE.

SKIN CONTACT AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  
SKIN: MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE, MAY CAUSE DEFATTING, DRYNESS CRACKING, RASH REDNESS OR DERMATITIS  
EYES: MAY CAUSE CORNEAL DAMAGE IF LEFT UNTREATED WHICH IS SLOW TO HEAL BUT USUALLY REVERSIBLE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SOLVENTS CAN PENETRATE THE SKIN CAUSING EFFECTS SIMILAR TO THOSE FOR ACUTE INHALATION SYMPTOMS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: CAN CAUSE IRRITATION TO THE DIGESTIVE TRACT INCLUDING SORE THROAT, ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA. VOMITING MAY CAUSE ASPIRATION OF SOLVENTS RESULTING IN CHEMICAL PNEUMONITIS.

HEALTH HAZARDS (ACUTE AND CHRONIC): CHRONIC EXPOSURE TO ORGANIC SOLVENTS HAS BEEN ASSOCIATED WITH VARIOUS NEUROTOXIC EFFECTS INCLUDING BRAIN DAMAGE, NERVOUS SYSTEM DAMAGE OR DEATH. PROLONGED VAPOR CONTACT MAY CAUSE CONJUNCTIVITIS. CHRONIC INHALATION MAY ALSO INCLUDE LOSS OF MEMORY LOSS OR INTELLECTUAL ABILITY, AND LOSS OF COORDINATION. CORNEAL DAMAGE IS POSSIBLE BUT USUALLY REVERSIBLE. REPEATED EXPOSURE TO SOLVENTS CAN CAUSE ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE OR CARDIAC ABNORMALITIES.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO  
NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED CARCINOGENS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

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SECTION IV - FIRST AID PROCEDURES

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INHALATION OVEREXPOSURE: REMOVE VICTIM TO FRESH AIR AREA AND ADMINISTER OXYGEN IS NECESSARY. OBTAIN MEDICAL ATTENTION.

EYE CONTACT: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND CONTACT A PHYSICIAN.

SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

INGESTION: DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT A PHYSICIAN.

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SECTION V - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: 100øF METHOD USED: SETA FLASH  
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES: DO NOT ENTER A CONFINED AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER. MINIMIZE CONTACT WITH THE MATERIAL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXCESSIVE HEAT. SOLVENT VAPORS MAY BE HEAVIER THAN AIR. UNDER CONDITIONS OF STAGNANT AIR, VAPORS MAY BUILD UP AND TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE WHICH CAN RESULT IN FLASHBACK TO THE SOURCE OF THE VAPORS. TOXIC VAPORS COULD BE EVOLVED FROM THE COMBUSTION OF THIS MATERIAL.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION AND VENTILATE THE AREA. WEAR APPROPRIATE PROTECTIVE EQUIPMENT SUCH AS VAPOR CARTRIDGE OR SUPPLIED AIR AS NECESSARY. DIKE AND ABSORB THE MATERIAL WITH ABSORBENT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS.

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SECTION VII - SAFE HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS.

OTHER PRECAUTIONS: AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THIS MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CANNOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF. SUPPLY APPROPRIATE VENTILATION OR ENGINEERING CONTROLS PRIOR TO USING THIS PRODUCT.

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SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION

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RESPIRATORY PROTECTION: USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. USE A POSITIVE PRESSURE RESPIRATOR WHEN AIRBORNE CONCENTRATIONS ARE NOT KNOWN OR IF EXCEEDING TLV'S OR IF WORKING IN A CONFINED SPACE. ALWAYS CONSIDER THE HAZARDS FROM ALL COMPONENTS IN THE MIXED MATERIAL SPACE.

VENTILATION: EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF THE SOLVENTS AND OTHER HAZARDOUS MATERIALS BELOW THE TOXIC LEVEL CONCENTRATIONS.

PROTECTIVE GLOVES: IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

EYE PROTECTION: SPLASH PROOF GOGGLES OR GLASSES WITH SIDE SHIELDS. IF THE ENVIRONMENT WARRANTS, A FULL FACE SHIELD SHOULD BE EMPLOYED.

OTHER PROTECTIVE EQUIPMENT: WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS AN APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH THE MATERIAL.

WORK/HYGIENIC PRACTICES: OBSERVE GENERAL GOOD HYGIENIC PRACTICES.

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SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

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BOILING POINT: 279°F - 329°F SPECIFIC GRAVITY (H2O=1): 1.1  
 VAPOR DENSITY: N/A EVAPORATION RATE: N/A  
 SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE AND ODOR: LOW VISCOSITY LIQUID WITH KETONE ODOR.

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SECTION X - STABILITY AND REACTIVITY DATA

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STABILITY: STABLE.

CONDITIONS TO AVOID: AVOID EXCESSIVE HEAT OR OPEN FLAMES. THIS MATERIAL SHOULD NOT BE MIXED WITH PHOSPHOROUS MATERIAL OR OXIDIZERS.

INCOMPATIBILITY (MATERIALS TO AVOID): CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND PHOSPHOROUS CONTAINING MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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SECTION XI - TOXICOLOGICAL INFORMATION

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No information available.

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SECTION XII - ECOLOGICAL INFORMATION

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No data available.

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SECTION XIII - DISPOSAL CONSIDERATIONS

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Dispose of according to applicable Federal, State, and Local requirements.  
 Empty containers should be handled with care due to product residue and possible vapor from organic solvents. Never use a gas or electric torch to cut drums.

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SECTION XIV - TRANSPORTATION INFORMATION

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DOT-U.S./MOT-CANADA

PROPER SHIPPING NAME: FLAMMABLE LIQUID N.O.S (CONTAINS XYLENE, BUTYL ACETATE)  
 HAZARD CLASS: 3  
 IDENTIFICATION NO: UN1993  
 PACKAGING GROUP: III

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SECTION XV - REGULATORY INFORMATION

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WHMIS: This material contains the following ingredient(s) at, or above the minimum concentration specified on the WHMIS Ingredient Disclosure List under the Hazardous Products Act of Canada:

PROPLENE GLYCOL MONOMETHYL ETHER	CAS No.	107-98-2
2,6-DIMETHYL-4-HEPTANONE	CAS No.	108-83-8
ETHYL BENZENE	CAS No.	100-41-4
DIBUTYLTIN DILUARATE	CAS No.	77-58-7
METHYL N AMYL KETONE	CAS No.	110-43-0
NORMAL BUTYL ACETATE	CAS No.	123-86-4

SARA 313: This product contains the following material(s) subject to the reporting requirements under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

XYLENE	CAS No. 1330-20-7
ETHYL BENZENE	CAS No. 100-41-4
NORMAL BUTYL ACETATE	CAS No. 123-86-4

VOC STATUS: NOT AVAILABLE FOR INDIVIDUAL COMPONENTS

PREPARED BY: F. FENSEL

The information contained in this Material Safety Data Sheet has been prepared in accordance with the OSHA Hazard communication Standard CFR 1910.1200. This information relates specifically to the product designated and may not be valid for the product when used in combination with any other materials or products or in a particular process. The information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness, whether originating within the company or not. The user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with applicable federal, state or local hazard communications requirements. We do not accept responsibility for any loss or damage which may occur from the use of this information.

GARLAND MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLOOR-LOC VOC

REVISION DATE: 02/22/07

PRODUCT CODE: 1814-PB

REPLACES: 03/15/05

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SECTION I - CHEMICAL PRODUCT/COMPANY IDENTIFICATION

AA

CHEMICAL NAME: MIXTURE

CAS NUMBER: NOT APPLICABLE

PRODUCT DESCRIPTION: TWO COMPONENT POLYESTER/ALIPHATIC POLYURETHANE FLOOR SEALER

HMIS CODES: HEALTH=2\*; FLAMABILITY=3; REACTIVITY=1; PROTECTIVE EQUIPMENT=G

MANUFACTURER/SUPPLIER: GARLAND CANADA, INC.
1296 Martin Grove
Toronto, Ontario, Canada M9W4X3
(416) 747-7995

24HR. EMERGENCY ASSISTANCE: 1-800-762-8225

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SECTION II - HAZARDOUS INGREDIENTS/COMPOSITION

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Table with 7 columns: CAS NUMBER, OSHA PEL, OSHA TLVR, ACGIH STEL, OSHA STEL, VAPOR PRESSURE MM Hg @ TEMP, WEIGHT PERCENT. Rows include HOMOPOLYMER OF HDI, \*XYLENE, and n-BUTYL ACETATE.

\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

XYLENE ACGIH STEL=150 PPM. FOR HDI: ORAL LD50. 10000mg/kg (RATS), INHALATION LC50 RANGES FROM 137 TO 1150 mg/m3, EYE IRRITATION SCORE 54.6/110 FOR A 24 HOUR EXPOSURE., SKIN EXPOSURE-MODERATE IRRITANT IRRITATION SCORE 3.4/8 (RABBIT).

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SECTION III - HAZARDS IDENTIFICATION

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INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: CAN CAUSE NAUSEA AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, HEADACHE, AND POSSIBLE UNCONSCIOUSNESS. BURNING SENSATION TO MUCOUS MEMBRANES, SHORTNESS OF BREATH AND FLU LIKE SYMPTOMS MAY OCCUR.

SKIN CONTACT AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SKIN: MAY CAUSE IRRITATION, DEFATTING AND DERMATITIS. EYES: CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, OR BLURRED VISION AS WELL AS CORNEAL OPACITY AND CONJUNCTIVITIS.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: CAN CAUSE REDDENING, SWELLING, RASH, SCALING OR BLISTERING. OVEREXPOSURE MAY CAUSE SENSITIZATION RESULTING IN REACTION TO CONTACT OF SMALL AMOUNTS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF THE MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. CAN CAUSE CORROSIVE ACTION TO MUCOUS MEMBRANES AND DIGESTIVE TRACTS.

HEALTH HAZARDS (ACUTE AND CHRONIC): CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATIONS OF VAPOR. OVER-EXPOSURE TO THIS MATERIAL CAN CAUSE CARDIAC ABNORMALITIES. OVEREXPOSURE CAN POSSIBLY CAUSE ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE OR EYE DAMAGE. MAY CAUSE ASTHMA OR OTHER RESPIRATORY DISORDERS, BRONCHITIS, EMPHYSEMA, HYPERACTIVITY AND EXCEMA.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO  
NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED CARCINOGENS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

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SECTION IV - FIRST AID PROCEDURES

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INHALATION OVEREXPOSURE: REMOVE VICTIM TO FRESH AIR AREA AND ADMINISTER OXYGEN IS NECESSARY. OBTAIN MEDICAL ASSISTANCE. ASTHMATIC TYPE SYMPTOMS MAY OCCUR IMMEDIATELY OR BE DELAYED FOR SEVERAL HOURS.

EYE CONTACT: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND CONTACT A PHYSICIAN.

SKIN CONTACT: FOR EXTREME EXPOSURE USE A SAFETY SHOWER IMMEDIATELY. WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

INGESTION: DO NOT INDUCE VOMITING. KEEP PERSON WARM AND CONSULT A PHYSICIAN IMMEDIATELY. GIVE 1-2 CUPS OF MILK OR WATER TO DRINK.

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SECTION V - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: 91øF METHOD USED: SETA FLASH

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES: DO NOT ENTER A CONFINED AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. PRESENCE OF SOLVENTS IN PRODUCT MAY REQUIRE GROUNDING. REMOVE ALL SOURCES OF IGNITION.

UNUSUAL FIRE AND EXPLOSION HAZARDS: IF A FIRE OCCURS, SOLVENTS ANY PRODUCE EXCESSIVE PRESSURE. SEALED DRUMS MAY RUPTURE AND IGNITE. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND IGNITE BY ANY SOURCE OF IGNITION. DURING A FIRE, HDI VAPORS AND OTHER TOXIC GASSES MY BE EVOLVED. CONTAINERS MAY BURST IF COMTAMINATED WITH WATER. VAPOR FLASHBACK TO SOURCE IS POSSIBLE.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR RESPIRATOR AND PROTECTIVE CLOTHING. REMOVE ALL SOURCES OF IGNITIONS. REMOVE EXCESS WITH SPARK PROOF EQUIPMENT AND THE REMAINDER WITH AN ABSORBENT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. CONTAINED AIR RESPIRATOR MAY BE NECESSARY.

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SECTION VII - SAFE HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS. KEEP MATERIAL AWAY FROM SOURCES OF IGNITION.

OTHER PRECAUTIONS: AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THIS MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CANNOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF. WEAR APPROPRIATE SAFETY EQUIPMENT AND RESPIRATOR AT ALL TIMES WHEN VENTILATION IS NOT SUFFICIENT TO CONTROL VAPORS. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE (29 CFR 1910.134). WHEN SPRAYING MATERIAL AVOID EXPOSURE TO ALL MISTS GENERATED BY USING AIR SUPPLIED RESPIRATOR.

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SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION

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RESPIRATORY PROTECTION: USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. ENGINEERING OR ADMINISTRATIVE MEASURES SHOULD BE TAKEN TO REDUCE THE RISK AND EXPOSURE. USE A POSITIVE PRESSURE RESPIRATOR WHEN EXCEEDING TLV'S OR IF HDI MONOMER CONCENTRATIONS EXCEED ACCEPTABLE LIMITS WHEN SPRAYING THE MATERIAL.

VENTILATION: EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF HDI BELOW THEIR TLV AND MGL MAXIMUM. REFER TO PATTY'S INDUSTRIAL HYGIENE AND TOXICOLOGY - VOLUME I (3RD EDITION) CHAPTER 17 AND VOLUME III (1ST EDITION) CHAPTER 3 FOR DETAILS.

PROTECTIVE GLOVES: IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

EYE PROTECTION: SPLASH PROOF GOGGLES OR GLASSES WITH SIDE SHIELDS. DO NOT WEAR CONTACT LENSES WHEN USING THIS PRODUCT.

OTHER PROTECTIVE EQUIPMENT: WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS AN APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH THE MATERIAL.

WORK/HYGIENIC PRACTICES: OBSERVE GENERAL GOOD HYGIENIC PRACTICES.

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SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

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BOILING POINT: 279øF SPECIFIC GRAVITY (H2O=1): 1.1
VAPOR DENSITY: N/A EVAPORATION RATE: N/A
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: PALE YELLOW LIQUID WITH SOLVENT ODOR.

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SECTION X - STABILITY AND REACTIVITY DATA

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STABILITY: STABLE.

CONDITIONS TO AVOID: AVOID EXCESSIVE HEAT OR OPEN FLAMES AS WELL AS ALL SOURCES OF IGNITION SUCH AS SPARKS, HEATERS, STATIC DISCHARGES, ETC.

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS, AND SURFACE ACTIVE COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC CHEMICALS, CO, CO2, OXIDES OF NITROGEN, HCN AND HDI.

HAZARDOUS POLYMERIZATION: MOISTURE OR MATERIALS THAT REACT WITH ISOCYANATES AND TEMPERATURES ABOVE 400 øF MAY CAUSE POLYMERIZATION.

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SECTION XI - TOXICOLOGICAL INFORMATION

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No information available.

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SECTION XII - ECOLOGICAL INFORMATION

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No data available.

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SECTION XIII - DISPOSAL CONSIDERATIONS

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Dispose of according to applicable Federal, State, and Local requirements.

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SECTION XIV - TRANSPORTATION INFORMATION

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DOT-U.S./MOT-CANADA

PROPER SHIPPING NAME: FLAMMABLE LIQUID N.O.S (CONTAINS XYLENE, BUTYL ACETATE)

HAZARD CLASS: 3

IDENTIFICATION NO: UN1993

PACKAGING GROUP: III

AA

SECTION XV - REGULATORY INFORMATION

AA

WHMIS: This material contains the following ingredient(s) at, or above the minimum concentration specified on the WHMIS Ingredient Disclosure List under the Hazardous Products Act of Canada:

NONE

SARA 313: This product contains the following material(s) subject to the reporting requirements under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

XYLENE CAS No. 1330-20-7

VOC STATUS: NOT AVAILABLE FOR INDIVIDUAL COMPONENTS

PREPARED BY: F. FENSEL

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