

MATERIAL SAFETY DATA SHEET

**1700
1701
1702
1703
02/05/02**

HEALTH HAZARD - 2 FIRE HAZARD-3 REACTIVITY- 0

U.S. DEPARTMENT OF LABOR

COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS, (29 CFR 1910.1200)

SECTION I: MANUFACTURER

PRODUCT IDENTIFICATION

INTERNATIONAL EPOXIES & SEALERS
30241 COMMERCE DRIVE
SAN ANTONIO, FL 33576

PRODUCT # 1700, 1701, 1702, 1703
SUPER CLEANING SOLVENT

24 HOUR EMERGENCY PHONE (INFOTRAC) 800-535-5053

INFORMATION PHONE: (800) 451-7206

REVISION DATE: 02\05\02

SECTION II:

HAZARDOUS INGREDIENTS	CAS Number	OSHA (PEL)	ACGIH (TLV)	CONC(%)
PETROLEUM SOLVENT	(CAS# 64742-89-8)	NOT ESTABLISHED		60 - 90
TOLUENE	(CAS# 108-88-3)	300 PPM	50 PPM	10 - 40

SECTION III: PHYSICAL DATA

BOILING POINT: (RANGE) 231° F TO 282° F

VAPOR PRESSURE: (mmHg at 20 deg. C): NOT DETERMINED

VAPOR DENSITY, (AIR = 1) 3.2 - 3.8

SOLUBILITY IN WATER: NEGLIGIBLE

SPECIFIC GRAVITY, (H2O = 1) 0.77

PERCENT VOLATILE BY VOLUME: 100%

EVAPORATION RATE, (WATER = 1) FASTER

PH: NOT APPLICABLE

FLASH POINT : 40 - 57° F.

APPEARANCE AND ODOR: LIGHT COLORED LIQUID, SWEET, HYDROCARBON ODOR.

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: 40 - 57° F.

FLAMMABLE LIMITS (STP) : 1 - 7%

EXTINGUISHING MEDIA : USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE TO EXTINGUISH FLAMES. DO NOT USE A DIRECT STREAM OF WATER. MATERIAL WILL FLOAT AND CAN BE RE-IGNITED ON SURFACE OF WATER.

SPECIAL FIRE FIGHTING PROCEDURES : FLAMMABLE. CLEAR FIRE AREA OF ALL NON-EMERGENCY PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES, AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE, NIOSH APPROVED, SELF-CONTAINED BREATHING APPARATUS. CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER TO PREVENT WEAKENING OF CONTAINER STRUCTURE WHICH COULD RESULT IN CONTAINER RUPTURE.

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SECTION IV: FIRE AND EXPLOSION DATA (CONT')

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE FLAMMABLE AND HEAVIER THAN AIR. VAPORS MAY TRAVEL ACROSS THE GROUND AND REACH REMOTE IGNITION SOURCES CAUSING A FLASHBACK FIRE DANGER.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV): SEE SECTION II

ACGH THRESHOLD LIMIT VALUE: SEE SECTION II

CARCINOGEN,NTP PROGRAM: NO

CARCINOGEN, IARC PROGRAM: NO

HEALTH CONDITIONS AGGRAVATED BY EXPOSURE: PRE-EXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. PERSONNEL WITH PRE-EXISTING NERVOUS SYSTEM DISEASE, NEUROLOGICAL CONDITIONS, IMPAIRED HEARING, LIVER OR KIDNEY FUNCTION, AND WOMEN TRYING TO CONCEIVE SHOULD AVOID EXPOSURE.

PRIMARY ROUTE OF ENTRY: SKIN ABSORPTION, INHALATION.

SKIN: LIQUID CAN BE A SKIN IRRITANT. PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

INHALATION: HIGH VAPOR CONCENTRATIONS MAY PRODUCE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. HIGH ATMOSPHERIC CONCENTRATIONS CAN RESULT IN EYE, NASAL, AND REPIRATORY TRACT IRRITATION, DIZZINESS, LIGHT-HEADEDNESS, NAUSEA AND LOSS OF COORDINATION.

INGESTION: IF SWALLOWED, THIS MATERIAL MAY IRRITATE THE MOUTH, THROAT AND ESOPHAGUS. IT CAN BE READILY ABSORBED BY THE STOMACH AND INTESTINAL TRACT. MAY PRODUCE CENTRAL NERVOUS SYSTEM DEPRESSION, VOMITING AND DROWSINESS, AND UNCONSCIOUSNESS. LIQUID MAY ASPIRATE DIRECTLY INTO THE LUNGS WHEN SWALLOWED OR VOMITED. SERIOUS LUNG DAMAGE AND POSSIBLY FATAL CHEMICAL PNEUMONIA CAN DEVELOP IF THIS OCCURS.

EYE CONTACT: CAN CAUSE SEVERE EYE IRRITATION.

OTHER EFFECTS OF OVEREXPOSURE: EXPOSURE POTENTIAL IS A CRITICAL ELEMENT IN THE EXPRESSION OF A POTENTIAL HEALTH HAZARD. THIS PRODUCT, IF HANDLED IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICE, SHOULD NOT PRESENT AN EXCESSIVE HAZARD IN THE WORK PLACE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL. AVAILABLE INFORMATION INDICATES TOLUENE IS NOT TERATOGENIC, BUT IT CAN BE TOXIC TO THE EMBRYO AND FETUS AND MAY REDUCE FERTILITY.

EMERGENCY FIRST AID PROCEDURES:

SKIN: REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. FLUSH SKIN WITH WATER. IMMEDIATELY WASH SKIN WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. THOROUGHLY CLEAN CLOTHING AND FOOTWEAR BEFORE REUSE.

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

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SECTION V: HEALTH HAZARD DATA (CONT')**

INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO MOUTH. GET MEDICAL ATTENTION.

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

NOTE TO PHYSICIAN: GASTRIC LAVAGE MAY BE EFFECTIVE WITHIN FOUR HOURS OF INGESTION. PRODUCT IS AN ASPHYXIANT AND CAN INDUCE CARDIAC MUSCULAR SENSITIZATION TO CIRCULATING EPINEPHRINE-LIKE COMPOUNDS, RESULTING IN POTENTIALLY FATAL HEART ARRHYTHMIAS. IF USED, MONITOR HEART ACTION CLOSELY. CONSIDER USE OF OTHER DRUGS WITH LESS ARRHYTHMOGENIC POTENTIAL.

SECTION VI: REACTIVITY DATA

STABILITY DATA: STABLE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID: AVOID HEAT, SPARKS, OPEN FLAMES, OTHER IGNITION SOURCES, STRONG OXIDIZING COMPOUNDS, STRONG ACIDS AND ALKALIES.

HAZARDOUS DECOMPOSITION PRODUCTS: UPON COMBUSTION COULD FORM CARBON DIOXIDE, CARBON MONOXIDE AND VARIOUS HYDROCARBONS.

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

SECTION VII : SPILL OR LEAK PROCEDURES

FLAMMABLE MATERIAL. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE BONDED AND GROUNDED TO PREVENT SPARKING.

LARGE SPILLS: EVACUATE THE HAZARD AREA OF UNPROTECTED PERSONNEL. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. IF VAPOR CLOUD FORMS, WATER FOG MAY BE USED TO SUPPRESS. CONTAIN RUN-OFF. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL. PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

SMALL SPILLS : TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINER. SEAL TIGHTLY FOR PROPER DISPOSAL.

DISPOAL METHOD: CONSULT LOCAL, STATE AND FEDERAL REGULATIONS FOR PROPER METHODS.

SECTION V111 : SPECIAL PROTECTION INFORMATION

EYE PROTECTION : AVOID CONTACT WITH EYES. WEAR CHEMICAL GOGGLES AND FULL FACESHIELD IF THERE IS LIKELIHOOD OF CONTACT WITH EYES.

RESPIRATORY PROTECTION : AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

SKIN PROTECTION : RUBBER GLOVES AND APRON.

VENTILATION : LOCAL EXHAUST, MECHANICAL IF NECCESARY TO PREVENT VAPOR BUILD-UP.

OTHER PROTECTION : EYEWASH STATION AND SAFETY SHOWER IN WORK AREA.

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SECTION IX : SPECIAL PRECAUTIONS

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS AND FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE LIQUID EVEN IN THE ABSENCE OF SPARKS OR FLAME. KEEP CONTAINERS CLOSED AND STORE IN A COOL, DRY AREA.

HYGIENIC PRACTICES IN HANDLING & STORAGE:

WASH HANDS WITH SOAP AND WATER AFTER USING. ALWAYS STORE PRODUCT IN ORIGINAL CONTAINER. KEEP CONTAINERS TIGHTLY CLOSED.

SECTION X: REGULATORY INFORMATION

SARA REGULATION (40 CFR 372): SECTION 313 SUPPLIER NOTIFICATION. THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

TOLUENE (CAS# 108-88-3).

SARA 311/312: FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD.

CERCLA: TOLUENE (CAS# 108-88-3)

RCRA: RECOVERED NON-USABLE PRODUCT MAY BE LISTED AS HAZARDOUS WASTE (U220) DUE TO ITS IGNITIBILITY(D001) AND/OR ITS TOXIC (D018) CHARACTERISTICS.

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