

**MATERIAL SAFETY DATA SHEET**

2/13/02

INTERNATIONAL EPOXIES & SEALERS  
30241 COMMERCE DR.  
SAN ANTONIO, FL 33576

24 HOUR EMERGENCY TELEPHONE:  
**INFOTRAC: (800) 535-5053**  
INFORMATION PHONE: (800) 451-7206

DEAR CUSTOMER:

IN COMPLIANCE WITH THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA TITLE III, SECTION 313), FEDERAL HAZARD COMMUNICATIONS REGULATIONS (WHIMS AND OSHA 29 CFR 1910.1200) AND IN THE INTEREST OF INFORMED USE OF OUR PRODUCT, WE ARE PROVIDING YOU WITH THIS MATERIAL SAFETY DATA SHEET (MSDS).

THIS MSDS WILL BE UPDATED REGULARLY TO REFLECT THE MOST RECENT INFORMATION IN OUR POSSESSION, PLEASE ENSURE THAT OBSOLETE MSDS SHEETS IN YOUR FILES FOR THIS PRODUCT NUMBER ARE DISCARDED.

THANK YOU FOR YOUR CONTINUED PATRONAGE AND WE LOOK FORWARD TO PROVIDING YOU WITH ADDITIONAL QUALITY PRODUCTS AND SERVICES.

## SECTION I - PRODUCT IDENTIFICATION

PART NUMBER: 8409  
PRODUCT NAME: INTER-MIX 40sec Flexible/Semi-Flexible Epoxy Kit  
TRADE NAME/SYNONYMS: INTER-MIX 40sec Flexible/Semi-Flexible Epoxy Kit  
CHEMICAL FAMILY: EPOXY RESIN

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	WT%	PEL	TLV	STEL	UNITS	LC50, PPM	LD50,	MG/KG
PART A - BASE									
DIGLYCIDYL ETHER OF BISPHENOL A	25068-38-6	70-90	0.1	0.1	N/A	PPM	N/A	RAT I	1100
SILICA (AMORPHOUS)	112945-52-5	3-8	6*	10*	N/A	MG/M3	N/A	RAT I	3160
CARBON BLACK	01333-86-4	0-2	3.5	3.5	N/A	MG/M3	N/A	N/A	
PART B-HARDNER									
POLYMERCAPTAN	N/A	70-90	N/A	N/A	N/A	N/A	N/A	N/A	
SILICA (FUMED)	112945-52-5	<5	6*	10*	N/A	MG/M3	N/A	RATI	3160
METHYL AMINO PHENOL	00090-72-2	3-10	N/A	N/A	N/A	N/A	N/A	RATI	1200
TITANIUM DIOXIDE	13463-67-7	1-3	10*	10*	N/A	MG/M3	N/A	N/A	N/A

INGREDIENTS TOTAL WT% ARE BELOW 100% ONLY IF ALL OTHER ADDITIONAL COMPONENTS ARE CONSIDERED NON-HAZARDOUS BY ANY FEDERAL, STATE OR PROVINCE, OR LOCAL RIGHT TO KNOW REGULATIONS.

SYMBOLS, ABBREVIATIONS AND NOTATIONS:

N/A=NOT APPLICABLE OR AVAILABLE, C=CEILING LIMIT, S=SKIN DESIGNATION, #=LISTED IN SARA TITLE III SECTION 313, \*=IF-FOUND AS DUST, MIST OR FUME, I=INGESTION, -A=SKIN ABSORPTION, LO=LITTLE OBSERVABLE EFFECT, NO=NO EFFECT, PEL=OSHA PERMISSIBLE EXPOSURE LIMIT, TLV=ACGIH THRESHOLD LIMIT VALUE, STEL=SHORT TERM EXPOSURE LIMIT, @=NON-HAZ. INGRED. AMONG 5 MOST PREDOM. SUBST.

**MATERIAL SAFETY DATA SHEET**

2/13/02

**SECTION III - PHYSICAL DATA**

BOILING POINT DEG F/C: A=500°/260° (B=601°/316°)      SPECIFIC GRAVITY: A=1.18/B=1.20  
 VAPOR PRESSURE(MM HG):A=NA /B= 0.01      %VOLATILE VOLUME:A&B=0.0%  
 VAPOR DENSITY (AIR=1): A=HEAVIER/B=9.0      EVAPORATION RATE: (WATER=1)0.01  
 SOLUBILITY. IN WATER: A=NA/B=SLIGHT      WATER/OIL -DIST COEFF : A&B=0  
 APPEARANCE AND ODOR: A=BLACK PASTE/MILD ODOR B=WHITE PASTE/MERCAPTAN ODOR  
 PHYSICAL STATE: PASTE      PH: N/A  
 FREEZE POINT DEG F/C: N/A      THRESHOLD ODOR,PPM: N/A  
 OTHER: N/A  
 VOC:LBS/GAL=N/A ; GRAMS/LITER=N/A ; GRAMS VOC/GRAM SOLID=N/A ; % VOC N/A

---

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

CLASSIFICATION: N/A      NFPA RATING: N,A  
 COMBUSTION PRODUCTS: SULFUR, OXIDES OF NITROGEN  
 FLASH POINT DEG F/C: A=200°F(93°C) TOC/B=315°F(157°C)COC. LEL%:N/A. UEL%:N/A.  
 EXTINGUISHING MEDIA: WATER,FOG,FOAM,DRY CHEMICAL, CARBON DIOXIDE  
 UN/NA/PIN#: N/A      SPECIAL FIRE FIGHTING PROCEDURES:  
 A & B=FIREFIGHTERS SHOULD WEAR SELF- CONTAINED BREATHING EQUIPMENT.  
 AUTO IGN. TEMP DEG F/C: N/A      UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 A & B=CONTACT WITH FLAME OR HOT SURFACES MAY PRODUCE TOXIC GASES.  
 EXPLOSIVE POWER: NO      IMPACT SENSITIVE: NO  
 BURNING RATE: LOW      STATIC SENSITIVE: NO

---

**SECTION V - HEALTH-HAZARD DATA**

PRODUCT GUIDE: TLV (SEE SECTION II)      STEL: (SEE SECTION II)  
 ROUTES OF ENTRY: SKIN CONTACT, ABSORPTION, EYE, INHALATION, INGESTION  
 EFFECTS OF OVEREXPOSURE:  
 A&B=CAUSES EYE IRRITATION, MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.  
 PROLONGED AND REPEATED INHALATION MAY BE HARMFUL TO RESPIRATORY SYSTEM OR CENTRAL  
 NERVOUS SYSTEM.  
 LISTED AS A SUSPECTED CARCINOGEN: NO  
 EMERGENCY AND FIRST AID PROCEDURES:  
 A&B=EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES & CALL PHYSICIAN  
 SKIN: WASH THOROUGHLY WITH PLENTY OF WATER & SOAP. INHALATION: IF AFFECTED, REMOVE TO  
 FRESH AIR AND SEE PHYSICIAN.

---

**SECTION VI - REACTIVITY DATA**

STABLE: YES      CONDITIONS TO AVOID:A&B=KEEP AWAY FROM HEAT OR FLAME  
 INCOMPATIBILITY(MATERIALS TO AVOID):YES ACIDS,AMINES,MERCAPTAN,STRG OXIDANT  
 HAZARDOUS DECOMPOSITION PRODUCTS: YES AMINES,CO,H2S,SO2,NO2  
 HAZARDOUS POLMERZATION: NO CONDITIONS TO AVOID: A&B=N/A

---

**MATERIAL SAFETY DATA SHEET**

2/13/02

**SECTION VII - SPILL OR LEAK PROCEDURES**

LISTED IN: SARA TITLE III, #302: NO #304, CERCLA: NO #313: NO

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

A&B=IN CASE OF SPILL: VENTILATE THE AREA, WEAR APPROVED RESPIRATORY PROTECTION, WEAR EYE/FACE PROTECTION, CLEAN UP WITH ABSORBENT MATERIAL, CONTAIN & PICK-UP WASTE MATERIALS, PUT IN A SEALED APPROVED CONTAINER.

REPORT QUANTITY, LB: N/A KG: N/A TPQ, LB: N/A

REGULATIONS: PROV/STATE, WHMIS

HAZARD WASTE: NO

NO.: N/A

A&B= DO NOT EMPTY INTO DRAINS. DISPOSE OF WASTES IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

**SECTION VIII - SAFE HANDLING AND PROTECTION INFORMATION**

RESPIRATORY PROTECTION: USE ONLY IN WELL VENTILATED AREAS.

VENTILATION-LOCAL: RECOMMENDED  
MECHANICAL: REQUIRED

SPECIAL: KEEP AWAY FROM HEAT/FLAME  
OTHER: N/A

PROTECTIVE GLOVES: SOLVENT RESISTANT

EYE PROTECTION: GOGGLES

OTHER PROTECTIVE EQUIPMENT:

IF VENTILATION IS INADEQUATE, WEAR APPROVED RESPIRATORY EQUIPMENT.

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES, AND EYE/FACE PROTECTION.

ESTIMATED LD50, MG/KG: YES ORAL RAT 1100; DERMAL RABBIT 1280

ESTIMATED LC50, PPM: NO

SENSITIZATION: YES POSSIBLE SKIN

IRRITANT: YES EYES &amp; SKIN

SYNERGISTIC AGENTS: NO

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

A&B= KEEP IN A COOL PLACE. AVOID CONTACT WITH EYES AND SKIN. DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER USING. IN CASE OF ACCIDENT OR ILLNESS, SEEK PHYSICIAN IMMEDIATELY, SHOW LABEL OR MSDS. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDS.

OTHER PRECAUTIONS:

A&B=KEEP OUT OF REACH OF CHILDREN. KEEP ONLY IN ORIGINAL LABELED CONTAINERS. ALWAYS READ AND FOLLOW DIRECTIONS ON PRODUCT LABEL OR DATA SHEET. ADDITIONAL TECHNICAL DATA SHEETS AND/OR MATERIAL SAFETY DATA SHEETS (MSDS) ARE AVAILABLE UPON REQUEST. FOR PROFESSIONAL AND INDUSTRIAL USE ONLY.

THE INFORMATION AND RECOMMENDATIONS PROVIDED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF. HOWEVER, SUCH INFORMATION AND RECOMMENDATIONS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND AND INTERNATIONAL EPOXIES & SEALERS, DISCLAIMS ANY AND ALL LIABILITY OR LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON SAME.