

MATERIAL SAFETY DATA SHEET

6-1-04

PART NUMBER: 8001,8002,8004,8006 SIDE A RESIN HMIS CODES H F R
PRODUCT NAME: HI-STRESS EPOXY 2 1 0
CHEMICAL FAMILY: EPOXY ADHESIVE/SURFACER

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: INTERNATIONAL EPOXIES & SEALERS
 30241 COMMERCE DR.
 SAN ANTONIO, FL 33576
EMERGENCY PHONE : 800-535-5053 (INFOTRAC)
INFORMATION PHONE : 800-451-7206 **NAME OF PREPARER :** SRB

===== SECTION II - HAZARDOUS INGREDIENTS =====

REPORTABLE COMPONENTS	CAS NUMBER	Vapor Pressure	
		mm Hg @ TEMP	WT. %
REACTION PRODUCT OF EPICHLOROHYDRIN-BISPHENOL A OSHA PEL: N/E, ACGIH TLV: N/E, OTHER: N/E LD50: NA, LC50: N/A	25085-99-8	N/A	40-60
TALC MAGNESIUM SILICATE OSHA PEL: 20 MP/PT, ACGH TLV: 2 MG/M3 LD50: N/A, LC50: N/A	14807-96-6	N/A	40-60
QUARTZ OSHA PEL: 10 MG/M3 / %SIO2 + 2, AGCH TLV: 0.1 MG/M3, LD50: N/A, LC50: N/A	14608-60-7	N/A	0-1
BLUE PIGMENT OSHA PEL: NE, ACGH TLV: N/E, OTHER N/E LD50: NA, LC50: N/A	N/A	N/D	0-1

===== SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS =====

BOILING RANGE: N/A SPECIFIC GRAVITY (H2O=1) :1.56
 VAPOR DENSITY: NOT DETERMINED
 EVAPORATION RATE: NOT DETERMINED
 MATERIAL V.O.C.: 0 %
 SOLUBILITY IN WATER: INSOLUBLE
 APPEARANCE AND ODOR: BLUE PASTE, FAINT EPOXY ORDER
 VAPOR PRESSURE: N/A ph: N/A
 COEFFICIENT OF WATER/OIL DIST: N/A ODOR THRESHOLD: N/A

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

FLASH POINT: >200 DEG F METHOD USED: N/A
 FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A UPPER: N/A
 EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG
 SPECIAL FIREFIGHTING PROCEDURES IN LARGE FIRE: SELF CONTAINED BREATHING APPARTUS
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
 FLAMMABILITY - T.D.G.R. CLASS: N/A
 SENSITIVITY TO IMPACT: N/A
 SENSITIVITY TO STATIC DISCHARGE: N/A

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===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
 INCOMPATIBILITY (MATERIALS TO AVOID): ACIDS, AMINES, MERCAPTAN, STRONG OXIDANTS
 HAZARDOUS DECOMPOSITION PRODUCTS: HES, AMINES, CO, CO2, H2S, SO2, NO2
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
 MAY RESULT IN IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
 SKIN: SLIGHTLY IRRITATING, NOT A SENSITIZER. EYE: MILDLY IRRITATING.
 SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: REDNESS

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
 NO TOXICITY DATA IS FOUND, BUT MAY CAUSE IRRITATION OF THE MOUTH AND THROAT,
 ESOPHAGUS AND GASTROINTESTINAL SYSTEM.

HEALTH HAZARDS (ACUTE AND CHRONIC)
 EYES: REDNESS, TEARING. SKIN: MODERATE IRRITATION. BREATHING: NASAL AND RESPIRATORY
 IRRITATION. INGESTION: NAUSEA GASTROINTESTINAL IRRITATION.
 CARCINOGENICITY: N/A
 NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: YES
 TERATOGENICITY: N/A
 MUTAGENICITY: N/A
 TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N/A

EMERGENCY AND FIRST AID PROCEDURES:
 EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES AND CALL PHYSICIAN.
 SKIN: WASH THOROUGHLY WITH PLENTY OF WATER AND SOAP.
 INHALATION: IF AFFECTED, REMOVE TO FRESH AIR. IF NECESSARY GIVE ARTIFICIAL
 RESPIRATION. KEEP VICTIM QUIET AND WARM. CALL A PHYSICIAN IMMEDIATELY.
 INGESTION: SEEK PHYSICIAN IMMEDIATELY. SHOW MSDS OR LABEL. SEEK MEDICAL ADVICE
 REGARDING INDUCTION OF VOMITING.

N/A = NOT AVAILABLE N/D = NOT DETERMINED N/E = NOT ESTABLISHED

===== SECTION VII - SPILL OR LEAK PROCEDURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 SOAK UP WITH ABSORBENT MATERIAL AND PLACE IN A LABELED WASTE CONTAINER FOR DISPOSAL.
 WASTE DISPOSAL METHOD:
 DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, DO NOT
 CONTAMINATE LAKES, STREAMS, OR OTHER WATER SUPPLY.
 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
 STORE IN A COOL, DRY, WELL VENTILATED AREAS, KEEP CLOSURE TIGHT TO PREVENT LEAKAGE.
 PREVENT SKIN AND EYE CONTACT BY USING IMPERVIOUS CLOTHING, SELECTED WITH REGARD FOR
 EXPOSURE POTENTIAL.

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

RESPIRATORY PROTECTION: USE ONLY IN WELL VENTILATED AREAS.
 VENTILATION-LOCAL: RECOMMENDED SPECIAL: KEEP AWAY FROM HEAT/FLAME.
 MECHANICAL: REQUIRED 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.
 SENSITIZATION: YES POSSIBLE SKIN.
 IRRITANT: YES EYES & SKIN
 SYNERGISTIC AGENTS: NO
 OTHER PRECAUTIONS:
 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.

===== SECTION IX:- REGULATORY INFORMATION =====

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65
 WARNING: THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS KNOWN TO THE STATE OF
 CALIFORNIA TO CAUSE CANCER. MAY CONTAIN TRACE AMOUNTS OF: QUARTZ (CAS#14608-60-7).

OTHER REGULATIONS:

SARA SECTION 311/312: CLASSIFIED AS: "AN IMMEDIATE HEALTH HAZARD" DUE TO THE
 POTENTIAL FOR ALLERGIC SKIN REACTION.

===== SECTION X - DISCLAIMER =====

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 OR USE OR RELIANCE UPON SAME.

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REPORTABLE COMPONENTS	CAS NUMBER	Vapor Pressure		WT. %
		mm Hg	@ TEMP	
PROPRIETARY MERCAPTAN POLYMER OSHA PEL: N/E, ACGIH TLV: NE, OTHER NE LD50: 2.6G/KG:RAT-ORL	TRADE SECRET	N/D	N/A	40-60
2,4,6-TRI (DIMETHYLAMINOMETHYL) PHENOL OSHA PEL: N/E, ACGIH TLV: N/E, OTHER: N/E LD50: 1670 MG/KG:RAT-ORL, LC50: N/E LD50: 1242 MG/KG (RABBIT)DERMAL	90-72-2	<0.01	70F	3-10
TITANIUM DIOXIDE OSHA PEL: 15MG/M3, ACGH TLV: 10 MG/M3 OTHER: N/E, LD50: >25 G/KG: RAT-ORL LC50: 6.82 MG/L (4 HR):RAT-INH	13463-67-7		N/A	0-1
TALC MAGNESIUM SILICATE OSHA PEL: 20 MP/PT, ACGH TLV: 2 MG/M3 LD50: N/A, LC50: N/A	14807-96-6		N/A	30-50
QUARTZ OSHA PEL: 10 MG/M3 / %SIO2 + 2, ACGH TLV: 0.1 MG/M3, LD50: N/A, LC50: N/A	14608-60-7		N/A	0-1

===== SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS =====

BOILING RANGE: N/A **SPECIFIC GRAVITY (H2O=1) :** 1.49
VAPOR DENSITY: NOT DETERMINED
EVAPORATION RATE: NOT DETERMINED
MATERIAL V.O.C.: 0%
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: WHITE PASTE, MERCAPTAN ORDOR
VAPOR PRESSURE: N/A **ph:** N/A
COEFFICIENT OF WATER/OIL DIST: N/A **ODOR THRESHOLD:** N/A

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

FLASH POINT: >200 DEG F **METHOD USED:** N/A
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A **UPPER:** N/A
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIREFIGHTING PROCEDURES IN LARGE FIRE: SELF CONTAINED BREATHING APPARTUS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
FLAMMABILITY - T.D.G.R. CLASS: N/A
SENSITIVITY TO IMPACT: N/A
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MAY RESULT IN IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT.

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CARCINOGENICITY: N/A
NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: YES
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OTHER REGULATIONS:

SARA SECTION 311/312: DELAYED (CHRONIC) HEALTH HAZARD.

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