

MATERIAL SAFETY DATA SHEET

6-1-04

PART NUMBER: 8160,8165 SIDE A RESIN HMIS CODES H F R
PRODUCT NAME: CLEAR EPOXY COATING 2 1 0
CHEMICAL FAMILY: EPOXY COATING

===== 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. %
REACTIONBISPHENOL A DIGLYCIDYL ETHER RESIN	25068-38-6	N/A	85-100
OSHA PEL: N/E, ACGIH TLV: N/E, OTHER: N/E			
LD50: NA, LC50: N/A			

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

BOILING RANGE: N/A **SPECIFIC GRAVITY (H2O=1) :** 1.17
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: SLOWER THAN ETHER
MATERIAL V.O.C.: NIL
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: CLEAR WHITE LIQUID, 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

===== 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

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===== 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 A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO
 CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
 CALIFORNIA PROPOSITION 65: MAY CONTAIN TRACE AMOUNTS OF PHENYL GLYCIDYL ETHER (CAS#
 122-60-1)

OTHER REGULATIONS:

SARA 313 INFORMATION: TO THE BEST OF OUR KNOWLEDGE, THIS PRODUCT CONTAINS NO
 CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION REQUIREMENTS.

SARA SECTION 311/312: CLASSIFIED AS: "A DELAYED (CHRONIC) HEALTH HAZARD".

===== 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.

MATERIAL SAFETY DATA SHEET

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NUMBER: 8160, 8165 SIDE B HARDENER HMIS CODES H F R
PRODUCT NAME: CLEAR EPOXY COATING 2 1 0
CHEMICAL FAMILY: EPOXY COATING

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 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. %
ALKYLPHENOL OSHA PEL: N/E, ACGIH TLV: NE, OTHER N/E LD50: N/E	25125-52-3	N/D	N/A	N/A
POLYOXYPROPYLENEDIAMINE OSHA PEL: N/E, ACGIH TLV: N/E, OTHER: N/E LD50: N/E, LC50: N/E LD50: NE	9046-10-10	N/D	N/A	N/A
PIPERAZINE	140-31-8	N/D	N/A	N/A

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

BOILING RANGE: N/A **SPECIFIC GRAVITY (H2O=1) :** 0.95
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: SLOWER THAN ETHER
MATERIAL V.O.C.: N/A
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: CLEAR WHITE TO YELLOW LIQUID, AMINE ODOR
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): NOT DETERMINED

HAZARDOUS DECOMPOSITION PRODUCTS: HES, AMINES, CO, CO2, H2S, SO2, NO2

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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

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INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

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ESOPHAGUS AND GASTROINTESTINAL SYSTEM.

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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:

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RESPIRATION. KEEP VICTIM QUIET AND WARM. CALL A PHYSICIAN IMMEDIATELY.INGESTION: SEEK PHYSICIAN IMMEDIATELY. SHOW MSDS OR LABEL. IF SWALLOWED DO NOT
INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

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

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65

WARNING: NONE

OTHER REGULATIONS:

SARA 313 INFORMATION: TO THE BEST OF OUR KNOWLEDGE, THIS PRODUCT CONTAINS NO
 CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION REQUIREMENTS.

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

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

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