

RESIN RESEARCH INC.
MATERIAL SAFETY DATA SHEET

----- IDENTIFICATION SECTION -----

PRODUCT NAME: RESIN RESEARCH
1980/2000/2020/2040/2050/2070/2090/Research CE EPOXY RESIN/
KWIK KICK EPOXY RESIN
MANUFACTURER: RESIN RESEARCH
131 TOMAHAWK DR.#11 INDIAN HARBOUR BEACH, FL. 32937
4231 S. FREMONT AV. TUCSON AZ. 85714

HAZARDOUS MATERIAL DESCRIPTION: EPOXY RESIN
USE: COMPOSITES AND COATINGS
EMERGENCY NOS. FL (321) 779-2369 OR AZ (321) 223-5276

----- HAZARDOUS INGREDIENTS -----

CAS#: None
CHEMICAL NAME: Epoxy Resin
PERCENT: 100%
EXPOSURE LIMITS: None Assigned

-----PHYSICAL DATA-----

PHYSICAL STATE: CLEAR COLORLESS LIQUID
SPECIFIC GRAVITY: 1.10
VOLATILE %: 0%
VAPOR DENSITY: Non volatile
BOILING POINT: N/A
EVAPORATION RATE: Non volatile

----- FIRE AND EXPLOSION DATA -----

FLASH POINT: NONE
FLAMMABILITY CLASSIFICATION: N/A
EXTINGUISHING MEDIA: Foam, CO2, dry chemical, or fog.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear goggles and self contained breathing apparatus to avoid inhalation of smoke or vapors.
FIRE AND EXPLOSION HAZARDS: None known

----- REACTIVITY DATA -----

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizers, acids, bases and epoxy hardeners under

uncontrolled conditions.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Heat and warm storage

HAZARDOUS DECOMPOSITION PRODUCTS: CO,CO₂, smoke.

----- HEALTH HAZARD DATA -----

EFFECTS OF OVEREXPOSURE:

EYES: Mild to moderate irritation, possible minor temporary corneal damage.

SKIN: Mild irritation. May be a skin sensitizer.

INHALATION: May cause nasal irritation, central nervous system depression or lung injury.

-----EMERGENCY FIRST AID PROCEDURES-----

EYES: flush with plenty of water and get medical attention.

SKIN: Promptly wipe clean with paper or cloth and wash with soap and water.

Remove and wash any contaminated clothing before reuse.

INHALATION: If ill effects occur remove person to fresh air, keep that person warm and quiet and get medical attention immediately.

INGESTION: Not likely a problem. If large amounts are swallowed, promptly induce vomiting and get medical attention.

CARCINOGENICITY: Not carcinogenic.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

----- SPILL OR LEAK PROCEDURES -----

IF MATERIAL IS SPILLED: Ventilate area. Absorb spill with suitable absorbent material and place into a closed container. For large spills, dike area and pump into closed containers. Prevent this material from entering waterways. Wear protective equipment during cleanup.

WASTE DISPOSAL METHOD: At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state, and local regulations.

For further information, contact your state or local waste agency or the U.S.

Environmental Protection

Agency's RCRA hot line (1-800-424-9346 or 202-382-3000).

----- SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION: Should be worn to avoid breathing spray mist, heated vapors or if TLV is exceeded.

VENTILATION: Local exhaust and general ventilation recommended.

SKIN PROTECTION: Chemical resistant plastic or rubber gloves and chemical

goggles

OTHER PROTECTIVE EQUIPMENT : As required to prevent wetting skin or clothing.

----- SPECIAL PRECAUTIONS -----

PRECAUTIONS WHEN MIXING AND HANDLING: This material may be a cause skin sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. avoid contact with vapors. Wear protective equipment.

----- SUPPLEMENTAL INFORMATION -----

REGULATORY INFORMATION: None

SARA HAZARD CLASSIFICATION: This material has been categorized as having the following hazard(s) as defined by SARA title III regulations (40 CFR 370): acute, chronic.

SARA SECTION 313 LISTED INGREDIENTS: This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT PROPER SHIPPING NAME: Not regulated by DOT.

UN NUMBER: None

DOT HAZARD CLASS: None

MATERIAL SAFETY DATA SHEET

----- IDENTIFICATION SECTION -----

PRODUCT NAME: RESIN RESEARCH EPOXY RESIN HARDENER
2100F/2100S/2100X/3100F/3100S/3100X/
KWIK KICK HARDENER

MANUFACTURER: RESIN RESEARCH
131 TOMAHAWK DR. #11 INDIAN HARBOUR BEACH, FL. 32937
4231 S. FREMONT AV. TUCSON AZ. 85714

HAZARDOUS MATERIAL DESCRIPTION:
DOT CORROSIVE LIQUID UN 2289

EMERGENCY NOS. FL (321)779-2369 OR AZ (321) 223-5276

----- HAZARDOUS INGREDIENTS -----

CAS# ----- CHEMICAL NAME --- % -- ACGIH(TLV) -- OSHA(PEL)

----- Polyamine prepolymer -60 ----- none established

100-51-6-----Benzyl Alcohol -- 30 ----- none established

-----Non reactive solids -- 10 ----- NA

-----PHYSICAL DATA-----

PHYSICAL STATE: CLEAR COLORLESS LIQUID

SPECIFIC GRAVITY: .98

VAPOR PRESSURE: not determined

DENSITY: 8.1 lbs. per gal.

VAPOR DENSITY: not determined

BOILING POINT: not determined

WATER SOLUBILITY: not determined

MELTING POINT: n/a

EVAPORATION RATE: slower than ether

----- FIRE AND EXPLOSION DATA -----

FLASH POINT: 220°F

EXTINGUISHING MEDIA: Alcohol foam, dry chemical, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus should be available for fire fighters. Cool exposed containers with water.

FIRE AND EXPLOSION HAZARDS: Toxic fumes will be evolved when this material is involved in a fire.

----- REACTIVITY DATA -----

STABILITY: Stable

INCOMPATIBILITY: Strong acids or oxidizing agents. Epoxy resins under uncontrolled conditions.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, NO_x

----- HEALTH HAZARD DATA -----

EFFECTS OF OVEREXPOSURE: DOT corrosive. May cause burns to skin and eyes. High concentration of vapors causes irritation of respiratory tract, nausea and vomiting.

CHRONIC: Prolonged or repeated exposure may cause asthma and sensitization of skin other allergic response.

EYES: Immediately flush with large amounts of water for at least 15 minutes lifting upper and lower lids occasionally. GET IMMEDIATE MEDICAL ATTENTION. If a physician is not immediately available, continue flushing with water.

SKIN: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Launder clothing before re-use and discard contaminated leather articles. Get medical attention if swelling or reddening occurs.

INHALATION: Remove to fresh air if effects occur and administer oxygen if necessary. GET MEDICAL ATTENTION if effects persist.

INGESTION: DO NOT INDUCE VOMITING. Vomiting will cause further damage to the throat.

Dilute by giving water or milk to drink if victim is conscious. GET MEDICAL ATTENTION immediately.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not known.

----- SPILL OR LEAK PROCEDURES -----

IF MATERIAL IS SPILLED: Avoid all skin contact. Absorb spills with clay, diatomaceous earth, vermiculite or other suitable absorbent material and shovel into waste metal drums.

WASTE DISPOSAL METHOD: Incinerate or bury in approved dumping area in accordance with Federal, State and local regulations.

----- SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION: NIOSH Approved respiratory protection required in absence of proper environmental control. Use amine respiratory cartridge mask or an atmosphere supplying respirator.

VENTILATION: Breathing of vapors should be avoided. This product should be confined as far as possible in sealed or covered containers in which case normal room ventilation should be adequate. Local ventilation will be needed in areas where vapors are expected.

SKIN PROTECTION: Rubber gloves, clean, body covering clothing and footwear.

OTHER PROTECTIVE EQUIPMENT : Splash proof goggles or safety glasses with side shields.

----- SPECIAL PRECAUTIONS -----

Avoid all skin contact.

Avoid spills and inhalation of vapors.

A good standard of personal hygiene and good general housekeeping are essential.
Reseal part used containers after use.
Ensure all containers are correctly labeled to prevent accidental ingestion.
Wash with soap and water before eating, drinking, or using lavatory.
Observe conditions of good industrial hygiene and safe working practice