



Material Safety Data Sheet
Indu-Poxy 100P
Part A

Emergency Telephone Number
800-535-5053

Telephone Number for Information
800-577-6213

Hazardous Ingredients/Identity Information

| Chemical Type: Epoxy resin. Used with an amine-based curing agent (Indu-Poxy 100P Part B) | | | | |
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| Chemical identity | CAS # | Percent | OSHA PEL | ACGIH TLV |
| Bisphenol A/ epichlorohydrin epoxy resin | 25068-38-6 | 50-70% | N/E | N/E |
| Nuisance dust | N/A | 20-40% | 5 mg/m ³ respirable, 15 mg/m ³ total As particulates not otherwise classified | 3 mg/m ³ respirable, 10 mg/m ³ inhalable |
| Epoxy resin | 74398-71-3 | 5-10% | N/E | N/E |
| Titanium dioxide | 13463-67-7 | 5-10 | 5 mg/m ³ respirable, 10 mg/m ³ total | 10 mg/m ³ |
| Naphtha type solvents | N/A | <1% | 100 ppm | 50 ppm (recommended) |
| Pigment | N/A | <1% | N/A | N/A |

N/E = not established

Physical Characteristics

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| Boiling point | >500 °F | Specific gravity (H ₂ O = 1) | >1 |
| Vapor Pressure | negligible | Solubility in water | Insoluble |
| Appearance and odor: thick liquid, tinted grey, tan, red, or black. Slight odor. | | | |

Fire and Explosion Hazard Data

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| Flash point (Method used) | >480 °F (Pensky-Martens CC). Material will not burn unless preheated. | | |
| Extinguishing Media: water fog, dry chemical, foam, carbon dioxide | | | |
| Special fire fighting procedures: Standard fire-fighting procedures. Firefighters should wear self-contained breathing apparatus. | | | |
| Unusual Fire and Explosion Hazards: None. | | | |

Reactivity Data

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| Stability | Stable | Conditions to avoid: high temperatures |
| Incompatibility (<i>Materials to Avoid</i>): strong oxidizing agents, strong lewis or mineral acids, strong bases | | |
| Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, aldehydes | | |

Hazardous Polymerization: Will not occur. May react with some curing agents, producing considerable heat

Health Hazard Data

Carcinogenicity Not regulated as a carcinogen by OSHA or NTP. IARC lists bisphenol A diglycidil ether, a precursor to the bisphenol A/epichlorohydrin epoxy resin, as “not classifiable as to its carcinogenicity to humans (Group 3)”. Trace amounts of this could be present.

Effects, Signs, and Symptoms of Overexposure:

Primary route of exposure: skin contact

Skin contact: May cause slight to moderate skin irritation and redness. Repeated skin contact could cause an allergic skin reaction, with burning, redness, itching, and swelling. Once someone has become sensitized, even slight contact can cause the skin reaction.

Inhalation: Usually not an inhalation hazard, unless applied over a large area. If inhaled, may cause nose and throat irritation.

Eye Contact: Direct eye contact will cause irritation.

Ingestion: not likely to occur. Low toxicity.

Medical Conditions Generally Aggravated by Exposure:

Dermatitis

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes. Get prompt medical attention for any redness, burning, tearing, or blurry vision.

Skin: Remove contaminated clothing. Wash skin thoroughly with mild soap and water. Contact a physician if any persistent rash or redness develops.

Inhalation: Move the person to fresh air; support breathing.

Ingestion: Do NOT induce vomiting. If vomiting occurs spontaneously, have the victim keep head below hips to prevent accidental aspiration. Get medical advice (Poison Center: 1-800-222-1222).

Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Dike spill. Scrape up and collect as much material as possible (save for reuse or react it with waste resin before disposal). Cover with absorbent material, then scrape and scoop that up.

Waste Disposal Method:

Follow federal, state, and local regulations. Small amounts of waste resin and curing agent can be mixed together and cured, to form a non-hazardous inert solid. As the reaction generates heat, put the curing material in a ventilated area, away from combustible materials. The reacted material can usually be disposed of as solid or industrial waste once it has completely cured and cooled. This material is not a waste by RCRA (40 CFR 261) criteria.

Precautions to be Taken in Handling and Storing

Store in cool ($75 \pm 25^\circ\text{F}$), dry area.

Follow manufacturer’s guidelines for mixing with the curing agent. Do not change the proportions, or there will be unreacted curing agent or epoxy (Part B and Part A)

The reaction between the curing agent and the epoxy (Part B and Part A) will generate heat.

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| Other Precautions: Carefully follow all EPA, state, and county regulations |
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Control Measures

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| Respiratory Protection (<i>Specify Type</i>): None usually required. |
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| Ventilation: Provide adequate general (dilution) ventilation to control buildup of odors. |
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| Protective Clothing: Wear chemical resistant gloves to prevent skin contact. Butyl, ethyl vinyl alcohol (EVAL) laminate are recommended. Nitrile or neoprene gloves are effective for Part A, but are not as effective for Part B. Wear other protective clothing (boots, coveralls) as needed to prevent skin contact. |
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| Eye Protection: Wear chemical safety goggles if there is any possibility of splashing or spraying. Closely-fitting safety glasses provide the minimum amount of recommended protection. |
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| Work/Hygienic Practices |
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| Normal practices. |
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Transportation Requirements

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| This material is not subject to DOT regulations under 49 CFR Parts 171 – 180. |
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| Date Prepared: 9 May 2002 |
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| Prepared by: Janet L. Keyes, CIH |
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The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process. The information is believed to be correct as of the date issued. Since the use of this information and the conditions of use of the product are not within the control of Indue Sales and Services, it is the user's obligation to determine procedures for safe use and disposal of the product and to follow the appropriate safe procedures.