

SAFETY DATA SHEETS

EPOXY ONE PART A

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Epoxy One Part A
MANUFACTURER: Incredible Products LLC. ADDRESS: 1101 Lincoln Ave, Wapakoneta, OH 45895
INFORMATION PHONE: 567-297-3700 EMERGENCY PHONE: 800-424-9300
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SECTION 2: HAZARDOUS IDENTIFICATION

Classification:

Skin Irritation: Category 2
Eye Irritation: Category 1
Respiratory Sensitizer (Solid/Liquid) - N/A
Skin Sensitizer: Category 1
Carcinogenicity: Category 2

Signal Word: Warning

Hazardous Statements- Health:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements- General:

P101- If medical advice is needed, have product container or label at hand
P102- Keep out of reach of children
P103- Read label before use

Precautionary Statements- Prevention:

P210 - Keep away from heat/sparks/open flames/hot surfaces.
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P284 - <In case of inadequate ventilation> wear respiratory protection.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.

Precautionary Statements- Response:

P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.
P321 - Specific treatment (see section 4 on this SDS).
P362 + P364 - Take off contaminated clothing. And wash it before reuse.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.

Precautionary Statements- Storage:

P405- Store locked up

Precautionary Statements- Disposal:

P501 - Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS. NO</u>	<u>WEIGHT%</u>
Bisphenol-A/epichlorohydrin epoxy resin	25068-38-6	85%-90%
C12-C14-Alkyl Glycidyl ether	68609-97-2	5%-15%

SECTION 4: FIRST AID MEASURES

INHALATION:

Remove the source of exposure or move the person to fresh air and keep them comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

SKIN CONTACT:

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard. IF exposed or concerned: Get medical advice/attention.

EYE CONTACT:

Remove the source of exposure or move the person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention. Avoid direct contact. Wear chemical protective gloves, if necessary.

INGESTION:

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. Give 1 or 2 glasses of milk or water to drink and refer the person to medical personnel. Do not give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Sand or earth may be used for small fires only.

UNSUITABLE EXTINGUISHING MEDIA:

Do not use a direct water stream which may spread fire.

Specific Hazards in Case of Fire:

Exposure to decomposition products may be harmful to health; combustion products may include but are not limited to: carbon monoxide, carbon dioxide, phenolics, aldehydes; smoke may contain particles of the original material as well. Prevent fire-fighting waters from entering sewer or waterways.

FIRE-FIGHTING PROCEDURES:

Isolate immediate hazard areas and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from the immediate hazard area if it can be done safely. Do not use a high volume water jet as this may spread the area of the fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SPECIAL PROTECTIVE ACTIONS:

Wear NIOSH approved self-contained breathing apparatus in positive pressure mode with a full-face piece. Boots, gloves (neoprene), goggles, and full protective clothing are also required. Care should always be exercised in dust/mist areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Keep unnecessary people away; isolate the hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately by absorbing with sand, diatomaceous earth or universal binders and collect into suitable disposal containers. Dispose of in accordance with applicable local and federal environmental control laws and regulations. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Recommended Equipment:

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:

Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers

SECTION 7: HANDLING AND STORAGE

GENERAL:

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Employee education and training in safe handling of this material is required under OSHA hazard communication standard. Individuals with existing respiratory disease such as chronic bronchitis, emphysema, or asthma should not be exposed.

Avoid use of electric band heaters (failures of such heaters have been reported to cause drums of liquid epoxy resin to explode and catch fire).

Never apply a direct flame to any container of product.

VENTILATION REQUIREMENTS:

Use only with adequate ventilation to control air contaminants to their exposure limits.

The use of local ventilation is recommended to control emissions near the source. Air circulation and exhaustion of isocyanate vapors must be maintained until the coatings have fully cured to insure that no potential health hazard remains. Exposure to vapors of heated isocyanates can be extremely dangerous.

STORAGE ROOM REQUIREMENTS:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet

OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for the entire face, use it in combination with a face shield.

SKIN PROTECTION:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and overboots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

RESPIRATORY PROTECTION:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect workers, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. When airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece or an air supplied hood. For emergencies, use a positive pressure self-contained breathing apparatus. Air purifying (cartridge type) respirators are not approved for protection against isocyanates.

APPROPRIATE ENGINEERING CONTROLS:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:

1.7

BOILING POINT:

N/A

EVAPORATION RATE:

<1

VAPOR DENSITY:

<1

SOLUBILITY IN H2O:

Slight

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions

CONDITIONS TO AVOID:

Excessive heat

HAZARDOUS REACTIONS/POLYMERIZATION:

Will not occur

INCOMPATIBLE MATERIALS:

Strong oxidizing agents, acids, alkalis, amines.

HAZARDOUS DECOMPOSITION PRODUCTS:

Uncontrolled exothermic reaction of epoxy resin releases carbon monoxide, carbon dioxide, phenolics, aldehydes.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50(rat): >5000 mg/kg

Acute Dermal Toxicity: LD50(rabbit): >4000 mg/kg

Skin Corrosion/irritation (rabbit): Causes slight skin irritation

Serious Eye Damage / Eye Irritation (rabbit): Causes serious eye irritation; corneal injury is not likely.

Skin Sensitization (guinea pig): Causes allergic skin reactions.

Germ Cell Mutagenicity: Not classified based on available data.

Carcinogenicity: Not classified based on available data. Not listed by IARC, NTP, OSHA.

Reproductive Toxicity: Not classified based on available data.

Specific Target Organ Toxicity - single exposure (STOT-se): Not classified based on available data.

Specific Target Organ Toxicity - repeated exposure (STOT-re): Not classified based on available data.

Aspiration Hazard: Not classified based on available data.

Potential Health Effects:

Skin: Causes mild skin irritation; may cause sensitization; once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Eyes: Causes serious eye irritation; pain, irritation, watering, redness

Ingestion: Low toxicity; incidental ingestion of small amounts not anticipated to be harmful.

Inhalation: Low volatility; not expected to be a significant route of exposure. Inhalation of heated vapors may irritate the respiratory tract causing coughing or wheezing.

Potential Chronic Health Effects:

May cause an allergic skin reaction.

SECTION 12: ECOLOGICAL INFORMATION

Acute/prolonged toxicity to fish:

LC50 (Fathead minnow)(96-hr): 3.1 mg/l (epoxy resin)

Acute/prolonged toxicity to aquatic invertebrates:

EC50 (Daphnia magna)(24-hr): 3.6 mg/l (epoxy resin)

Acute/prolonged toxicity to aquatic plants:

No data available

Toxicity to bacteria, to soil dwelling organisms and to terrestrial plants:

No data available

Chronic toxicity to aquatic organisms:

No data available

General effect:

Toxic to aquatic life with long lasting effects.

Persistence and degradability:
Biodegradation rate: 5% after 28 days (not readily biodegradable)
12.3 Bioaccumulative potential
BCF = 31, Log Pow = 3 (low potential to bioaccumulate in aquatic organisms)

Mobility in soil:
No data available

Results of PBT and vPvB assessment (EC reg. 453/2010):
Not classified as Persistent, Bioaccumulative and Toxic
Not classified as very Persistent or very Bioaccumulative

Other adverse effects:
No other adverse effects are identified.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Under RCRA, it is the responsibility of the user of the product, to determine the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14: TRANSPORTATION INFORMATION

DOT:
Not regulated as hazardous for transport by ground (U.S.)

IMDG:
UN3082 Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin)
Hazard Class: 9
Packing Group: PG III
EmS No.: F-A, S-F
Marine Pollutant: Yes

IATA:
UN3082 Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin)
Hazard Class: 9
Packing Group: PG III
EmS No.: F-A, S-F
Cargo/Passenger Packing Instruction: 964
Additional Information: MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Title III Section 311/312 (40CFR370): Acute health hazard

SARA Title III Section 313 (40CFR372): No reportable components

CERCLA Status (40CFR302): No Reportable Quantity components

TSCA Inventory Status: Reported/included

Canadian DSL Status: Reported/included

Canadian WHMIS Classification: D2B

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

WARNING: This product can expose you to chemicals including Epichlorohydrin which is known to the State of California to cause cancer, birth defects or other reproductive harm.

REACH Annex XIV (SVHC)

No listed components

REACH Annex XVII (Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles)

No listed components

REACH Status (EC 1907/2006): This material has been registered, pre-registered or is otherwise exempted from registration under the Registration, Evaluation and Authorization of Chemical Substances.

Chemical safety assessment

Not Available

SECTION 16: OTHER INFORMATION

DISCLAIMER:

The information contained herein is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.