



1 - PRODUCT and COMPANY INFORMATION

Company Info: iCOAT Products, Inc. www.icoatproducts.com
Company Address: 1519 W. Grant St. Phoenix, AZ 85007, USA
Phone: (602) 258-1114
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Hazmat: For emergencies Call HAZMAT Services (24hours): (800) 373-7542
SDS Format: According to ANSI Z400.1-2004

Product Name: CT60 & CT30 iPoxy- Hardener (Part B)
Product Number: Epoxy Amine Mixture

HMIS Classification: H F R PP
 3 1 0 x

2 - COMPOSITION INFORMATION

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; Components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; Non-Hazardous components are listed at 3.0% or greater. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable state rights to know and other regulatory information

Hazardous Components	Cas #	OSHA Pel	ACGIH TLV OTHER	mm HG @ TEMP	WT %
Poly(oxy(methyl-1,2-ethanediyl)), Alpha-hydro-omega(2 Aminomethylethoxy)-ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	39423-51-3				40-60
Nonyl Phenol	84852-15-3				40-60
Proprietary Ingredients					<10%

Danger! Corrosive – Causes eye and skin burns. Harmful or fatal if swallowed. Aspiration hazard if swallowed can enter lungs and cause damage. Causes respiratory tract irritation and can cause damage

This Product is considered Hazardous according to OSHA (1910.1200)

3 - HAZARDS IDENTIFICATION

Emergency Overview : Irritant

Potential Health Effects

Target Organs: Eye, Skin Contact, Inhalation, Ingestion.
Eye: Causes irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.

Skin: Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction. In addition to the potential skin irritation effects noted above, skin contact may result in other adverse health effects.



Inhalation:	Vapors or mist, especially as generated from heating the material or as from exposure in poorly ventilated areas or confined spaces, are irritating and cause nasal discharge, coughing, and discomfort in nose and throat. Prolonged or repeated overexposure may result in lung damage.
Ingestion:	Causes burning of mouth, throat, and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.
Sensitization Properties:	This product is not expected to be a human skin sensitizer based on animal data.
Chronic Health Effects:	Prolonged or repeated contact may cause skin irritation or dermatitis. Repeated inhalation may cause lung damage.
Aggravation of Pre-Existing Conditions:	Skin contact may aggravate an existing dermatitis (skin condition). Overexposure to vapor, dust or mist may aggravate existing respiratory conditions, such as asthma, bronchitis, and inflammatory or fibrotic respiratory disease.
Other Remarks:	This product contains one or more amines that may produce temporary and reversible hazy or blurred vision. Symptoms disappear when exposure is terminated.

4 -FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 – 20 minutes. Do not attempt to neutralize with chemical agents. Get medical attention immediately.
Skin Contact:	Immediately wash skin with soap and plenty of water. Remove contaminated clothing and launder before reuse. In eyes, rinse with ample amounts of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. If person is conscious and can swallow, immediately give two glasses of water (16 oz.) Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. This material is corrosive.
Other First Aid:	Swallowing of this corrosive material may result in severe ulceration, inflammation, and possible perforation of the upper alimentary tract, with hemorrhage and fluid loss. Aspiration of this product during induced emesis can result in severe lung injury. If evacuation of stomach is necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation. Contact a Poison Control Center for additional treatment information.

5 - FIRE FIGHTING MEASURES

Flash Point:	196.1° C (385 ° F) (PMCC)
Lower Flammable / Explosive Limit:	Not Determined
Upper Flammable / Explosive Limit:	Not Determined
Ignition Temperature – AIT:	Not Determined
Unusual Fire or Explosive Hazards:	None
Extinguishing Media:	Water Spray, Dry Chemical, Foam or Carbon Dioxide. (Water spray to cool fire-exposed Containers) (Water or foam may cause frothing)

Protective Equipment: Wear special chemical protective clothing and positive pressure self-contained breathing apparatus. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Decontaminate or discard any clothing that may contain chemical residues. Wear a Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:

NFPA Health:	3
NFPA Flammability:	1
NFPA Reactivity:	0



6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in Section 8.
Environmental Precautions:	Prevent entry into sewers and waterways.
Spill Cleanup Measures:	Ventilate to prevent breathing of vapor. Wipe up or absorb spill with inert material (e.g., dry sand or earth), then shovel into a chemical waste container. Clean up spills immediately observing precautions in the protective equipment section.

7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. Water contamination should be avoided. If stored above 100 F, a nitrogen atmosphere is recommended.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Do not wear contact lenses.
Skin Protection:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EXPOSURE GUIDELINES

Exposure limit for the Total Product: None established for this product

9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Pale yellow liquid
Color:	Near colorless liquid
Odor:	Ammonia like odor
Flash Point:	No Data
Boiling Point:	Not Determined
Specific Gravity (H2O =1):	9812
Solubility in Water (%):	>10%
Vapor Density:	Not Available



pH: 11.6
Viscosity: 200-500 cps @ 25° C
VOC Content: < 1% by ASTM D2369

Warning Statement: **Danger! Corrosive – Causes eye and skin burns. Harmful or fatal if swallowed. Aspiration hazard if swallowed can enter lungs and cause damage. Causes respiratory tract irritation and can cause damage**

10 - STABILITY and REACTIVITY

Chemical Stability: This material acts violently with acids.
Hazardous Polymerization: Do not occur.
Conditions to Avoid: Heat, flames, incompatible materials and freezing or temperatures below 32 ° F.
Incompatible Materials: Acids

Comments: Products Evolved When Subjected to Heat or Combustion: Toxic levels of ammonia, combustion products of nitrogen, carbon monoxide, carbon dioxide, irritation aldehydes and ketones may be formed on burning in a limited air supply.

11 - TOXICOLOGICAL INFORMATION

Toxicological Information (Animal Toxicity Data):

Inhalation: Believed to be practically non-toxic
Skin: Skin – Rabbit LD50 : 0.61g/kg; moderately toxic
Ingestion: Ingestion – Rat LD50: 0.22 g/kg; toxic

Estimation of Irritation (Species):

Skin: (Draize) 8.00/8.0 (rabbit) corrosive
Eyes: (Draize) Believed to be 80.00-110.00/110 (rabbit) extremely irritating
Sensitization: (Buehler) Negative – skin (guinea pig)

12 - ECOLOGICAL INFORMATION

Marine Pollutant

Aquatic Toxicity:	Not determined
Mobility:	Not determined
Persistence and Biodegradability:	Not determined
Remarks:	None

13 - DISPOSAL CONSIDERATIONS

Waste Disposal: This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines.

14 - TRANSPORTATION INFORMATION

Proper Shipping Name: Corrosive liquids, N.O.S., (Polyoxypropylenediamine), Amine Mixture
DOT UN Number: UN 2735
DOT Hazard Class: 8
Packaging Group: III



Placards Required: Corrosive

15 - REGULATORY INFORMATION

California PROP 65: This product does not contain a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

State Right-to-Know Regulations: None

International Regulations:

TCSA Inventory Status: This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

WHMIS Classification: Class D, Div 1, Subdiv B: Toxic Class E: Corrosive

Canadian Inventory Status: This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS Inventory Status: This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical substances (ELINCS).

Australian Inventory Status: This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

Japan Inventory Status: This product, or its components, are listed on or are exempt from the Japan Ministry of International Trade and Industry (MITI) inventory.

16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 3
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Other: x
SDS Creation Date: June 26, 2006
SDS Revision Date: January 1, 2018
SDS Revision Notes: SDS Update
SDS Author: iCOAT Products, Inc.

Disclaimer: Store as a NFPA Class IIIB liquid. Keep fire and sparks away from drums. Since empty containers retain product residue, do not cut, drill, grind, or weld on or near the container until it is thoroughly cleaned.

Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Comply with regulations governing confined space entry.

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