

MATERIAL SAFETY DATA SHEET

MSDS Name: EPOXY CATALYST
MSDS Number: EX-2100
Version Number
MSDS Date: FEB-28-2013
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SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: EPOXY CATALYST
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0 PPI:

Company Identification: Ceramic Industrial Coatings
325 Highway 81
Osseo MN 55369

Contact: SUE THILLMAN
Telephone/Fax: 763-424-2044 763-424-1014
Chemtrec (24 Hour): 1-800-424-9300

Product Class: EPOXY HARDENER
Trade Name: POXYKOTE
Product Code: EX-2100
Shipping Name: PAINT, 3, UN 1263, PGII

SECTION II - INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
POLYAMIDE RESIN	68410-23-1	30 - 60	
XYLENES	1330-20-7	15 - 40	
METHYL ISOBUTYL KETONE	108-10-1	10 - 30	
ETHYL BENZENE	100-41-4	3 - 7	
TRIETHYLENE TETRAMINE	112-24-3	1 - 5	

SECTION III - PHYSICAL DATA

Form: LIQUID
Appearance/Color: CLEAR/AMBER
pH Value: Not Applicable
Boiling Range: 238.0F - 531.0F

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Evaporation Rate: Slower than n-Butyl Acetate
Vapor Density: Heavier than air
% Volatile Weight CALCULATED 39.89%
% Volatile / Volume CALCULATED 43.38%
Specific Gravity: 0.91521
VOC 3.1#/GAL(CALC)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class IB
Flash Range: 70.0F - 110.0F
Setaflash

EXTINGUISHING MEDIA:

Foam, Dry Chemical, Carbon Dioxide (CO2)

SPECIAL FIREFIGHTING PROCEDURES:

Self-contained breathing apparatus should be available for fire fighters. Cool fire-exposed containers with water.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Toxic fumes will be evolved when this material is involved in a fire.

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:

Undetermined.

EFFECTS OF OVEREXPOSURE:

ACUTE: Will cause burns to skin and eyes. High concentration of vapors can cause severe irritation of eyes and respiratory tract. Liquid causes severe damage to mucous membranes if swallowed.

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

FIRST AID:

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.

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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.

CANCER INFORMATION:

Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. The International Agency for Research on Cancer (IARC) has classified ethylbenzene as a possible human carcinogen.

SECTION VI - STABILITY AND REACTIVITY

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Avoid contact with strong oxidizing agents, mineral acids (E.G. H₂SO₄, HCL), and epoxy resins under uncontrolled conditions.

CONDITIONS TO AVOID:

Avoid contact with strong oxidizing agents, mineral acids (E.G. H₂SO₄, HCL), and epoxy resins under uncontrolled conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

CO (Carbon Monoxide)

CO₂ (Carbon Dioxide)

NOX (Oxides of Nitrogen)

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Avoid contact with material. persons not wearing appropriate protective equipment (see below) should be excluded from the area of the spill until clean-up is complete. Stop spill at source, dike area to prevent spreading. Pump liquid to salvage tank. Remaining liquid may be taken up on clay, diatomaceous earth or other absorbent and shoveled into disposal containers.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Federal, State and Local regulations.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
POLYAMIDE RESIN	N/est	N/est	N/est	N/est	N/est
XYLENES	100.00 PPM	N/est	150.00 PPM	150.00 PPM	100.00 PPM
METHYL ISOBUTYL KETONE	50.00 PPM	N/est	75.00 PPM	75.00 PPM	50.00 PPM
ETHYL BENZENE	100.00 PPM	N/est	125.00 PPM	125.00 PPM	100.00 PPM
TRIETHYLENE TETRAMINE	N/est	N/est	N/est	N/est	N/est

RESPIRATORY PROTECTION:

NIOSH approved respiratory protection required in the absence of proper environmental control. For emergencies, a self-contained breathing apparatus, or a full-face respirator is recommended.

VENTILATION:

Breathing of vapors must be avoided. Ventilation must be sufficient to control vapors. This material should be confined as far as possible within sealed or covered equipment in which case normal ventilation should be adequate. Special (local) ventilation will be needed in areas where vapors are expected to be vented.

PROTECTIVE GLOVES:

Impervious gloves. Neoprene or rubber.

EYE PROTECTION:

Splash proof goggles or safety spectacles with side shields.

OTHER PROTECTIVE EQUIPMENT:

clean, body-covering clothing. Further safety equipment (apron, footwear, etc.) Should be used as necessary to prevent contact with material.

SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

1. Re-seal part used containers.
2. Ensure that all containers are properly labelled to prevent accidnetal ingestion.

OTHER PRECAUTIONS:

1. Prevent all skin and eye contact.
2. Avoid breathing vapors.
3. Wash with soap and water before eating, drinking, smoking or using toilet facilities.
4. Observe conditions of good industrial hygiene and safe working practices.

DISCLAIMER:

The data contained herein is believed to be correct. However, since conditions of use are outside our control it should not be taken as a warranty or representation for which Ceramic Industrial Coatings assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.

Seller's liability for it's products shall be limited to the return of the amount of the purchase price paid by the purchaser. Under no circumstances shall seller be liable for special, indirect or consequential damages.

SECTION X - REGULATORY INFORMATION

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
XYLENES	1330-20-7	20.66
METHYL ISOBUTYL KETONE	108-10-1	14.17
ETHYL BENZENE	100-41-4	5.17

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