



SAFETY DATA SHEET

Issuing Date: 22-Dec-2011

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Revision Number: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Code: 06888CEH-3

Product Name: CATALYST FOR ZINC RICH EPOXY, PART B

Hentzen Coatings, Inc.
6937 West Mill Road, Milwaukee, WI 53218-1225

Company Phone Number: 1-414-353-4200

Emergency telephone number ChemTrec 1-800-424-9300

Recommended use of the chemical and restrictions on use

Industrial paint (Paint or Paint-Related), Restricted to professional users

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---|------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin Corrosion/Irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization | Category 1 |
| Flammable Liquids | Category 4 |

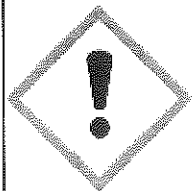
Label Elements

Emergency Overview

WARNING

Hazard Statements

Harmful if swallowed
Harmful in contact with skin
harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Combustible liquid



Appearance Clear

Physical state Liquid

Odor Solvent

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Contaminated work clothing should not be allowed out of the workplace
Keep away from heat/sparks/open flames/hot surfaces. - No smoking

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Call a POISON CENTER or doctor/physician if you feel unwell
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains a known or suspected carcinogen

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

| Chemical Name | CAS No | Weight-% | ACGIH | OSHA |
|------------------------------|----------|-----------|-------------|---|
| ETHYLENE GLYCOL BUTYL ETHER | 111-76-2 | 30% - 40% | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ S* |
| BENZYL ALCOHOL | 100-51-6 | 10% - 20% | N/A | N/A |
| TETRAETHYLENEPENTAMINE(TEPA) | 112-57-2 | 1% - 5% | N/A | N/A |

4. FIRST AID MEASURES

First Aid Measures

| | |
|----------------|---|
| General advice | If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. |
| Eye Contact | Immediately flush eyes with water for at least 15 minutes. Get medical attention. If easy to do, remove contact lenses. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| Skin Contact | Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. If skin irritation persists, call a physician. Immediate medical attention is not required. |
| Inhalation | If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Consult a physician if necessary. Remove to fresh air. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products. |

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.

Self-protection of the first aider Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to physician May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use: Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

Unsuitable Extinguishing Media No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion Data

Sensitivity to Mechanical Impact no data available.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes, skin and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Avoid breathing vapors or mists. Ventilate the area. Use personal protective equipment as required. Remove all sources of ignition.

Environmental Precautions

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Vapors are heavier than air, spread along floors and form explosive mixtures with air.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

Avoid contact with eyes, skin and clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe vapor or mist. Use with local exhaust ventilation. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from heat and sparks - No Smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks and flame. Keep in properly labeled containers.

Incompatible Products

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

| Chemical Name | ACGIH | OSHA | NIOSH IDLH |
|--|-------------|---|--|
| ETHYLENE GLYCOL BUTYL ETHER 111-76-2 | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ |

NIOSH IDLH: *Immediately Dangerous to Life or Health*

Exposure controls**Engineering Measures**

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Use personal protective equipment as required.

Skin and Body Protection

Chemical resistant apron.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|-------------------|------------------------|-------------------|
| Physical state | Liquid | Appearance | Clear |
| Odor | Solvent. | Odor Threshold | No data available |
| pH | No data available | Flash Point | 143 °F / 62 °C |
| Decomposition temperature | No data available | Boiling Point | 212 °F / 100 °C |
| Melting Point / Melting Range | No data available | Freezing Point | No data available |
| Vapor Pressure @20°C (kPa) | No data available | Partition coefficient: | No data available |
| Vapor Density | No data available | Density | No data available |
| Bulk density | No data available | Specific Gravity | 0.98 |

| | | | |
|-------------------|-------------------|------------------------------|-------------------|
| Evaporation Rate | No data available | Water solubility | No data available |
| Dynamic viscosity | No data available | Weight per Gallon (lbs/gal): | 8.16 |
| | | Flammability Limits in Air | |
| | | Upper | 4.23 % |
| | | Lower | 0.44 % |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|---------------------|------------------------------------|
| Product Information | The product has not been tested |
| Inhalation | There is no data for this product. |
| Eye Contact | There is no data for this product. |
| Skin Contact | There is no data for this product. |
| Ingestion | There is no data for this product. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|--------------------|----------------------|----------------------|
| ETHYLENE GLYCOL BUTYL ETHER 111-76-2 | 470 mg/kg (Rat) | 99 mg/kg (Rabbit) | 450 ppm (Rat) 4 h |
| BENZYL ALCOHOL 100-51-6 | 1230 mg/kg (Rat) | 2 g/kg (Rabbit) | 8.8 mg/L (Rat) 4 h |
| TETRAETHYLENEPENTAMINE(TE PA) 112-57-2 | 3990 mg/kg (Rat) | 660 µL/kg (Rabbit) | N/A |

Information on toxicological effects

| | |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|-------------------|--|
| Sensitization | No information available. |
| MUTAGENIC EFFECTS | No information available. |
| Carcinogenicity | The table below indicates whether each agency has listed any ingredient as a carcinogen. |

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--|-------|---------|-----|------|
| ETHYLENE GLYCOL BUTYL ETHER 111-76-2 | A3 | Group 3 | N/A | N/A |

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen

| | |
|--|---|
| <i>IARC (International Agency for Research on Cancer)</i> <i>Group 3 - Not Classifiable as to Carcinogenicity in Humans</i> | |
| Reproductive Toxicity | No information available. |
| Specific target organ systemic toxicity (single exposure) | No information available. |
| Specific target organ systemic toxicity (repeated exposure) | No information available. |
| Chronic Toxicity | Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. |
| Target Organ Effects | Blood, Central nervous system (CNS), Eyes, Hematopoietic System, Kidney, Liver, Respiratory system, Skin. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|-------------------------------|---|
| ATEmix (oral) | 545 mg/kg |
| ATEmix (dermal) | 1220 mg/kg |
| ATEmix (inhalation-dust/mist) | 1.6 mg/l |
| Oral LD50 | 1053 mg/kg (rat) Estimated |
| Dermal LD50 | 243 mg/kg (rat) Estimated |
| Inhalation LC50 | 6186 mg/l (mist) (dust) mg/m ³ Estimated |
| Inhalation LC50 | |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to daphnia and other aquatic invertebrates |
|--|---|--|---|
| ETHYLENE GLYCOL BUTYL ETHER 111-76-2 | N/A | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | 1000: 48 h Daphnia magna mg/L EC50 |
| BENZYL ALCOHOL 100-51-6 | N/A | 10: 96 h Lepomis macrochirus mg/L LC50 static 460: 96 h Pimephales promelas mg/L LC50 static | 23: 48 h water flea mg/L EC50 |
| TETRAETHYLENEPENTAMINE(TEPA) 112-57-2 | 2.1: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 420: 96 h Poecilia reticulata mg/L LC50 static | 24.1: 48 h Daphnia magna mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|--|-----------------------|
| ETHYLENE GLYCOL BUTYL ETHER 111-76-2 | 0.81 |
| BENZYL ALCOHOL 100-51-6 | 1.1 |
| TETRAETHYLENEPENTAMINE(TEPA) 112-57-2 | 1 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste treatment methods Dispose of in accordance with federal, state and local regulations.

US EPA Waste Number No information available

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
MEX Not regulated
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated
RID Not regulated
ADR/RID Not regulated
ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL/NDL Complies
 EINECS/ELINCS Complies
 ENCS Complies
 IECSC Complies
 KECL Complies
 PICCS Complies
 AICS Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No | SARA 313 - Threshold Values % |
|-----------------------------|----------|-------------------------------|
| ETHYLENE GLYCOL BUTYL ETHER | 111-76-2 | 1.0 |

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
 Chronic Health Hazard No
 Fire Hazard Yes
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

CAA (Clean Air Act)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-------------------------------|---------------|------------|--------------|----------|--------------|
| ETHYLENE GLYCOL BUTYL ETHER | X | X | X | X | X |
| TETRAETHYLENEPENTAMINE (TEPA) | X | X | X | N/A | N/A |

International Regulations

Mexico - Grade

Moderate risk, Grade 2

| Chemical Name | Carcinogenic Status | Exposure Limits |
|-----------------------------|---------------------|--|
| ETHYLENE GLYCOL BUTYL ETHER | N/A | Mexico: TWA 26 ppm Mexico: TWA 120 mg/m ³ Mexico: STEL 75 ppm Mexico: STEL 360 mg/m ³ |

16. OTHER INFORMATION

NFPA

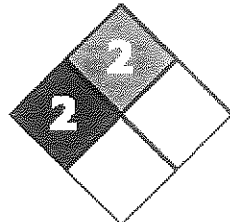
Health Hazard 2

Flammability 2

Instability 0

Physical and Chemical Hazards -

NFPA Rating



HMIS Health Hazard 1 Flammability 2 Physical Hazard 0 Personal protection X

Issuing Date: 22-Dec-2011

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Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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