



SAFETY DATA SHEET

Issuing Date: 05-Mar-2021

Revision Date: 17-Mar-2021

Print Date: 17-Mar-2021

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

Product Code: 16678AEF-LVOC

Product Name: 36231 GRAY EPOXZEN, MIL-PRF-22750G(I),PART A,TY II,CL H,GR A

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)


| | |
|-----------------------------------|-------------|
| Skin Corrosion/Irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization | Category 1 |
| Germ Cell Mutagenicity | Category 1B |
| Carcinogenicity | Category 1B |
| Flammable Liquids | Category 2 |

Label Elements

Emergency Overview

DANGER

Hazard Statements
 Causes skin irritation
 Causes serious eye irritation
 May cause an allergic skin reaction
 May cause genetic defects
 May cause cancer
 Highly flammable liquid and vapor



Appearance Opaque **Physical state** Liquid **Odor** Solvent

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
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 skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool
Store in accordance with local regulations

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

- May be harmful if swallowed
- Toxic to aquatic life with long lasting effects
- Harmful to aquatic life

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 |
|---|-------------|-----------|---|---|
| p-CHLOROBENZOTRIFLUORIDE | 98-56-6 | 10% - 20% | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ F |
| EPOXY RESIN | 25068-38-6 | 10% - 20% | N/A | N/A |
| METHYL ACETATE | 79-20-9 | 10% - 20% | STEL: 250 ppm TWA: 200 ppm | TWA: 200 ppm TWA: 610 mg/m ³ |
| TITANIUM DIOXIDE | 13463-67-7 | 5% - 10% | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust |
| SYNTHETIC AMORPHOUS SILICA (PRECIPITATED) | 112926-00-8 | 5% - 10% | N/A | TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA |
| METHYL AMYL KETONE | 110-43-0 | 5% - 10% | TWA: 50 ppm | TWA: 100 ppm TWA: 465 mg/m ³ |
| CARBON BLACK | 1333-86-4 | 0% - 1% | TWA: 3 mg/m ³ inhalable particulate matter | TWA: 3.5 mg/m ³ |
| MINERAL SPIRITS/STODDARD SOLVENT | 8052-41-3 | 0% - 1% | TWA: 100 ppm | TWA: 500 ppm TWA: 2900 mg/m ³ |

4. FIRST AID MEASURES

First Aid Measures

General advice

Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

| | |
|---|---|
| Eye Contact | If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. 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. |
| Skin Contact | 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. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Inhalation | Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. |
| Ingestion | Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary. |
| Self-protection of the first aider | Remove all sources of ignition. 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 | Treat symptomatically. May cause sensitization of susceptible persons. |

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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. Extremely flammable.

Explosion Data

Sensitivity to Mechanical Impact no data available.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists. Ventilate the area.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. 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 Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use explosion-proof electrical (ventilation and lighting) equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use with local exhaust ventilation. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe vapor or mist. 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 tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks and flame. Keep containers tightly closed in a cool, well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH | OSHA | NIOSH IDLH |
|-------------------------------------|--|--|---|
| CALCIUM CARBONATE 1317-65-3 | N/A | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust |
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ F | IDLH: 250 mg/m ³ F |
| METHYL ACETATE 79-20-9 | STEL: 250 ppm TWA: 200 ppm | TWA: 200 ppm TWA: 610 mg/m ³ | IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m ³ STEL: 250 ppm STEL: 760 mg/m ³ |
| TITANIUM DIOXIDE 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust | IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale |
| METHYL AMYL KETONE 110-43-0 | TWA: 50 ppm | TWA: 100 ppm TWA: 465 mg/m ³ | IDLH: 800 ppm TWA: 100 ppm TWA: 465 mg/m ³ |
| CARBON BLACK 1333-86-4 | TWA: 3 mg/m ³ inhalable particulate matter | TWA: 3.5 mg/m ³ | IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH |

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 | Opaque |
| Odor | Solvent. | Odor Threshold | No data available |
| pH | No data available | Flash Point | 14 °F / -10 °C |
| Decomposition temperature | No data available | Boiling Point | 133 °F / 56 °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 | 1.39 |
| Evaporation Rate | No data available | Water solubility | No data available |
| Dynamic viscosity | No data available | Weight per Gallon (lbs/gal): | 11.56 |
| | | EPA VOC (lb/gal) | 1.45 |
| Flammability Limits in Air | | | |
| Upper | 0 % | | |
| Lower | 0 % | | |

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Conditions to Avoid
Extremes of temperature and direct sunlight.

Incompatible Materials
None known based on information supplied.

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapors.

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 |
|---------------|-----------|-------------|-----------------|
|---------------|-----------|-------------|-----------------|

| | | | |
|-------------------------------------|-----------------------|-------------------------|---------------------------------------|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | = 13 g/kg (Rat) | > 2 mL/kg (Rabbit) | = 33 mg/L (Rat) 4 h |
| METHYL ACETATE 79-20-9 | > 5 g/kg (Rat) | > 5 g/kg (Rabbit) | > 49000 mg/m ³ (Rat) 4 h |
| TITANIUM DIOXIDE 13463-67-7 | > 10000 mg/kg (Rat) | N/A | N/A |
| METHYL AMYL KETONE 110-43-0 | = 1600 mg/kg (Rat) | = 12.6 mL/kg (Rabbit) | 2000 - 4000 ppm (Rat) 6 h |
| CARBON BLACK 1333-86-4 | > 15400 mg/kg (Rat) | N/A | > 4.6 mg/m ³ (Rat) 4 h |

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 This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--|-------|----------|-----|------|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | N/A | Group 2B | N/A | X |
| TITANIUM DIOXIDE 13463-67-7 | N/A | Group 2B | N/A | X |
| SYNTHETIC AMORPHOUS SILICA (PRECIPITATED) 112926-00-8 | N/A | Group 3 | N/A | N/A |
| CARBON BLACK 1333-86-4 | A3 | Group 2B | N/A | X |

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

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 Prolonged or repeated exposure increases the risk. Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.

Target Organ Effects Central nervous system (CNS), Eyes, Lungs, Peripheral Nervous System (PNS), 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) 3489 mg/kg

ATEmix (dermal) 5409 mg/kg

ATEmix (inhalation-dust/mist) 16.5 mg/l

Oral LD50 5081 mg/kg (rat) Estimated

Dermal LD50 7862 mg/kg (rat) Estimated

Inhalation LC50 68932 mg/l (mist) (dust) mg/m³ Estimated

Inhalation LC50

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to daphnia and other aquatic invertebrates |
|-------------------------------------|---|---|---|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | N/A | 3: 96 h Danio rerio mg/L LC50 semi-static | 3.68: 48 h Daphnia magna mg/L EC50 |
| METHYL ACETATE 79-20-9 | 120: 72 h Desmodesmus subspicatus mg/L EC50 | 250 - 350: 96 h Brachydanio rerio mg/L LC50 static 295 - 348: 96 h Pimephales promelas mg/L LC50 flow-through | 1026.7: 48 h Daphnia magna mg/L EC50 |
| METHYL AMYL KETONE 110-43-0 | N/A | 126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through | N/A |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|-------------------------------------|-----------------------|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | 3.7 |
| METHYL ACETATE 79-20-9 | 0.18 |
| METHYL AMYL KETONE 110-43-0 | 1.98 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste treatment methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

US EPA Waste Number

D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|---------------------------|-----------------------------------|
| METHYL ACETATE 79-20-9 | Toxic Ignitable |

14. TRANSPORT INFORMATION

DOT

| | |
|--|--|
| UN-No | UN1263 |
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | II |
| Special Provisions | 149, B52, IB2, T4, TP1, TP8, TP28 |
| Description | UN1263, Paint, Marine Pollutant, 3, II |
| Emergency Response Guide Number | 128 |

TDG

| | |
|-----------------------------|--|
| UN-No | UN1263 |
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | II |
| Description | UN1263, Paint, Marine Pollutant, 3, II |

MEX

| | |
|-----------------------------|----------------------|
| UN-No | UN1263 |
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | II |
| Description | UN1263, Paint, 3, II |

ICAO

| | |
|-----------------------------|----------------------|
| UN-No | UN1263 |
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | II |
| Special Provisions | A3, A72 |
| Description | UN1263, Paint, 3, II |

IATA

| | |
|---------------------------|---------------|
| UN-No | UN1263 |
| Hazard class | 3 |
| Packing Group | II |
| ERG Code | 3L |
| Special Provisions | A3, A72, A192 |

IMDG/IMO

| | |
|---------------------------|----------|
| UN-No | UN1263 |
| Hazard class | 3 |
| Packing Group | II |
| EmS-No | F-E, S-E |
| Special Provisions | 163, 367 |

RID

| | |
|-----------------------------|---|
| UN-No | UN1263 |
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | II |
| Classification Code | F1 |
| Description | UN1263, Paint, Environmentally Hazardous, 3, II |

ADR/RID

| | |
|--------------------------------|--|
| UN-No | UN1263 |
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | II |
| Classification Code | F1 |
| Tunnel restriction code | (D/E) |
| Special Provisions | 163, 640C, 650, 367 |
| Description | UN1263, Paint, Environmentally Hazardous, 3, II, (D/E) |
| ADR/RID-Labels | 3 |

ADN

| | |
|-----------------------------|---|
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | II |
| Classification Code | F1 |
| Special Provisions | 163, 640C, 650 |
| Description | UN1263, Paint, Environmentally Hazardous, 3, II |
| Hazard Labels | 3 |

Limited Quantity (LQ) 5 L
Ventilation VE01

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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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 contains the following Proposition 65 chemicals

| Chemical Name | CAS No | California Proposition 65 |
|---------------------------|---------|---------------------------|
| p-CHLORO BENZOTRIFLUORIDE | 98-56-6 | Carcinogen |

| | | |
|------------------|------------|------------|
| TITANIUM DIOXIDE | 13463-67-7 | Carcinogen |
| CARBON BLACK | 1333-86-4 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---|---------------|------------|--------------|----------|--------------|
| CALCIUM CARBONATE | X | X | X | N/A | X |
| p-CHLORO BENZOTRIFLUORIDE | N/A | X | N/A | N/A | N/A |
| METHYL ACETATE | X | X | X | N/A | N/A |
| TITANIUM DIOXIDE | X | X | X | N/A | X |
| SYNTHETIC AMORPHOUS SILICA (PRECIPITATED) | X | X | X | N/A | N/A |
| METHYL AMYL KETONE | X | X | X | N/A | N/A |
| BUTYL ACETATE | X | X | X | N/A | N/A |
| CARBON BLACK | X | X | X | X | X |

International Regulations

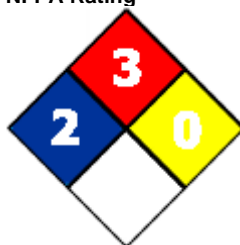
Mexico - Grade Serious risk, Grade 3

| Chemical Name | Carcinogenic Status | Exposure Limits |
|---------------------------|---------------------|--|
| p-CHLORO BENZOTRIFLUORIDE | N/A | Mexico: TWA 2.5 mg/m ³ |
| METHYL ACETATE | N/A | Mexico: TWA 200 ppm Mexico: TWA 610 mg/m ³ Mexico: STEL 250 ppm |
| TITANIUM DIOXIDE | N/A | Mexico: TWA 10 mg/m ³ |
| METHYL AMYL KETONE | N/A | Mexico: TWA 50 ppm |
| CARBON BLACK | A3 | Mexico: TWA 3 mg/m ³ |

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 3 Instability 0 Physical and Chemical Hazards -

NFPA Rating



HMIS Health Hazard 2 * Flammability 3 Physical Hazard 1 Personal protection X

Chronic Hazard Star Legend

* Chronic Health Hazard

Issuing Date: 05-Mar-2021

Revision Date: 17-Mar-2021

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. 16678AEF-LVOC

end



SAFETY DATA SHEET

Issuing Date: 10-Jun-2021

Revision Date: 11-Jun-2021

Print Date: 11-Jun-2021

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

Product Code: 16062CEH-LVOC

Product Name: CLEAR EPOXY HARDENER,
MIL-PRF-22750G(I),PART B,TY II,CL H,GR A

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)

| | |
|-----------------------------------|------------|
| Skin Corrosion/Irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |
| Skin sensitization | Category 1 |
| Carcinogenicity | Category 2 |
| Flammable Liquids | Category 3 |

Label Elements

Emergency Overview

DANGER

Hazard Statements

Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction
Suspected of causing cancer
Flammable liquid and vapor



Appearance Clear

Physical state Liquid

Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
If skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool
Store in accordance with local regulations

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

- May be harmful if swallowed
- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

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 |
|-----------------------------|----------|-----------|------------------------------|--|
| p-CHLOROBENZOTRIFLUORIDE | 98-56-6 | 40% - 50% | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ F |
| BUTYL ALCOHOL | 71-36-3 | 5% - 10% | TWA: 20 ppm | TWA: 100 ppm TWA: 300 mg/m ³ |
| BENZYL ALCOHOL | 100-51-6 | 5% - 10% | N/A | N/A |
| TETRAETHYENEPENTAMINE(TEPA) | 112-57-2 | 0% - 1% | N/A | N/A |

4. FIRST AID MEASURES

First Aid Measures

General advice

Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

Eye Contact

If symptoms persist, call a physician. 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.

Skin Contact

Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation

Remove to fresh air. Consult a physician if necessary. If breathing is irregular or stopped,

administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Rinse mouth. If symptoms persist, call a physician. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Self-protection of the first aider Remove all sources of ignition. 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 Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific hazards arising from the chemical

Flammable.

Explosion Data

Sensitivity to Mechanical Impact no data available.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Evacuate personnel to safe areas. Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists. Ventilate the area.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. 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 Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use explosion-proof electrical (ventilation and lighting) equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use with local exhaust ventilation. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe vapor or mist. 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 tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks and flame.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH | OSHA | NIOSH IDLH |
|-------------------------------------|------------------------------|--|---|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ F | IDLH: 250 mg/m ³ F |
| BUTYL ALCOHOL 71-36-3 | TWA: 20 ppm | TWA: 100 ppm TWA: 300 mg/m ³ | IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 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 | 95 °F / 35 °C |
| Decomposition temperature | No data available | Boiling Point | 242 °F / 117 °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 | 1.13 |
| Evaporation Rate | No data available | Water solubility | No data available |

| | | | |
|-----------------------------------|-------------------|-------------------------------------|------|
| Dynamic viscosity | No data available | Weight per Gallon (lbs/gal): | 9.38 |
| | | EPA VOC (lb/gal) | 2.42 |
| Flammability Limits in Air | | | |
| Upper | 0 % | | |
| Lower | 0 % | | |

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

Thermal decomposition can lead to release of irritating gases and vapors.

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 |
|-------------------------------------|----------------------|-------------------------|------------------------|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | = 13 g/kg (Rat) | > 2 mL/kg (Rabbit) | = 33 mg/L (Rat) 4 h |
| BUTYL ALCOHOL 71-36-3 | = 700 mg/kg (Rat) | = 3402 mg/kg (Rabbit) | > 8000 ppm (Rat) 4 h |
| BENZYL ALCOHOL 100-51-6 | = 1230 mg/kg (Rat) | = 2 g/kg (Rabbit) | = 8.8 mg/L (Rat) 4 h |

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 This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-------------------------------------|-------|----------|-----|------|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | N/A | Group 2B | N/A | X |

Legend:

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

| | |
|--|---|
| 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 | Prolonged or repeated exposure increases the risk. Avoid repeated exposure. |
| Target Organ Effects | Central nervous system (CNS), Eyes, 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) | 3313 mg/kg |
| ATEmix (dermal) | 2129 mg/kg |
| ATEmix (inhalation-dust/mist) | 16.1 mg/l |
| Oral LD50 | 5977 mg/kg (rat) Estimated |
| Dermal LD50 | 3715 mg/kg (rat) Estimated |
| Inhalation LC50 | 32540 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 |
|-------------------------------------|--|---|--|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | N/A | 3: 96 h Danio rerio mg/L LC50 semi-static | 3.68: 48 h Daphnia magna mg/L EC50 |
| BUTYL ALCOHOL 71-36-3 | 500: 72 h Desmodesmus subspicatus mg/L EC50 500: 96 h Desmodesmus subspicatus mg/L EC50 | 100000 - 500000: 96 h Lepomis macrochirus µg/L LC50 static 1730 - 1910: 96 h Pimephales promelas mg/L LC50 static 1740: 96 h Pimephales promelas mg/L LC50 flow-through 1910000: 96 h Pimephales promelas µg/L LC50 static | 1897 - 2072: 48 h Daphnia magna mg/L EC50 Static 1983: 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 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|---|-----------------------|
| p-CHLOROBENZOTRIFLUORIDE 98-56-6 | 3.7 |
| BUTYL ALCOHOL 71-36-3 | 0.785 |
| BENZYL ALCOHOL 100-51-6 | 1.1 |
| TETRAETHYENEPENTAMINE(TEPA) 112-57-2 | 1 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste treatment methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

US EPA Waste Number D001

| Chemical Name | RCRA - Basis for Listing | RCRA - D Series Wastes |
|--------------------------|--------------------------------|------------------------|
| BUTYL ALCOHOL 71-36-3 | Included in waste stream: F039 | N/A |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| BUTYL ALCOHOL 71-36-3 | Toxic |

14. TRANSPORT INFORMATION

DOT

UN-No UN1263
Proper shipping name PAINT RELATED MATERIAL
Hazard class 3
Packing Group III
Special Provisions B1, B52, IB3, T2, TP1, TP29
Description UN1263, Paint related material, 3, III
Emergency Response Guide Number 128

TDG

UN-No UN1263
Proper shipping name PAINT RELATED MATERIAL
Hazard class 3
Packing Group III
Description UN1263, Paint related material, 3, III

MEX

UN-No UN1263
Proper shipping name PAINT RELATED MATERIAL
Hazard class 3
Packing Group III
Description UN1263, Paint related material, 3, III

ICAO

UN-No UN1263
Proper shipping name PAINT RELATED MATERIAL
Hazard class 3
Packing Group III
Special Provisions A3, A72
Description UN1263, Paint related material, 3, III

IATA

UN-No UN1263
Proper shipping name PAINT RELATED MATERIAL
Hazard class 3
Packing Group III
ERG Code 3L
Special Provisions A3, A72, A192
Description UN1263, Paint, 3, III1 Paint related material UN1263, Paint, 3, III2

IMDG/IMO

| | |
|-----------------------------|---|
| UN-No | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| Hazard class | 3 |
| Packing Group | III |
| EmS-No | F-E, S-E |
| Special Provisions | 163, 223, 367 955 |
| Description | UN1263, Paint, 3, III, (35°C c.c.)1 Paint related materialUN1263, Paint, 3, III, (35°C c.c.)2 |

RID

| | |
|-----------------------------|--|
| UN-No | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| Hazard class | 3 |
| Packing Group | III |
| Classification Code | F1 |
| Description | UN1263, Paint related material, 3, III |

ADR/RID

| | |
|--------------------------------|---|
| UN-No | UN1263 |
| Proper shipping name | PAINT RELATED MATERIAL |
| Hazard class | 3 |
| Packing Group | III |
| Classification Code | F1 |
| Tunnel restriction code | (D/E) |
| Special Provisions | 163, 640E, 650, 367 |
| Description | UN1263, Paint related material, 3, III, (D/E) |
| ADR/RID-Labels | 3 |

ADN

| | |
|------------------------------|--|
| Proper shipping name | PAINT RELATED MATERIAL |
| Hazard class | 3 |
| Packing Group | III |
| Classification Code | F1 |
| Special Provisions | 163, 640E, 650 |
| Description | UN1263, Paint related material, 3, III |
| Hazard Labels | 3 |
| Limited Quantity (LQ) | 5 L |
| Ventilation | VE01 |

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| DSL/NDSL | 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/NDSL - 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 % |
|---------------|---------|-------------------------------|
| BUTYL ALCOHOL | 71-36-3 | 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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ (reportable quantity) |
|---------------|--------------------------|------------------------------------|--|
| BUTYL ALCOHOL | 5000 lb | N/A | RQ 5000 lb final RQ RQ 2270 kg final RQ |

State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name | CAS No | California Proposition 65 |
|--------------------------|---------|---------------------------|
| p-CHLOROBENZOTRIFLUORIDE | 98-56-6 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|------------------------------|---------------|------------|--------------|----------|--------------|
| p-CHLOROBENZOTRIFLUORIDE | N/A | X | N/A | N/A | N/A |
| BUTYL ALCOHOL | X | X | X | N/A | N/A |
| TETRAETHYENEPENTAMINE (TEPA) | X | X | X | N/A | N/A |

International Regulations

Mexico - Grade

Serious risk, Grade 3

| Chemical Name | Carcinogenic Status | Exposure Limits |
|--------------------------|---------------------|-----------------------------------|
| p-CHLOROBENZOTRIFLUORIDE | N/A | Mexico: TWA 2.5 mg/m ³ |
| BUTYL ALCOHOL | N/A | Mexico: TWA 20 ppm |

16. OTHER INFORMATION

NFPA

Health Hazard 2

Flammability 3

Instability 0

Physical and Chemical Hazards -

NFPA Rating



HMIS

Health Hazard 1 *

Flammability 3

Physical Hazard 0

Personal protection X

Chronic Hazard Star Legend

** Chronic Health Hazard*

Issuing Date:

10-Jun-2021

Revision Date:

11-Jun-2021

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. 16062CEH-LVOC

end