



SAFETY DATA SHEET

Issuing Date: 05-Mar-2021

Revision Date: 28-Mar-2021

Print Date: 28-Mar-2021

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

Product Code: 31104KPX-T1

Product Name: 17038 BLACK URETHANE, MIL-PRF-85285E,TYPE I,CLASS H,PART 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)

| | |
|--|------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Serious eye damage/eye irritation | Category 2 |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable Liquids | Category 2 |

Label Elements

Emergency Overview

DANGER

Hazard Statements

Harmful if swallowed
harmful if inhaled
Causes serious eye irritation
Suspected of causing cancer
May cause drowsiness or dizziness
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
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area
Wear eye/face protection
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
Keep cool

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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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 container tightly closed
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 in contact with skin
- Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains a known or suspected carcinogen

This product contains substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990. See Section 15 for list of HAPS.

| Chemical Name | CASNo | Weight-% | ACGIH | OSHA |
|--------------------|-----------|-----------|--|--|
| METHYL ACETATE | 79-20-9 | 20% - 30% | STEL: 250 ppm TWA: 200 ppm | TWA: 200 ppm TWA: 610 mg/m ³ |
| METHYL AMYL KETONE | 110-43-0 | 20% - 30% | TWA: 50 ppm | TWA: 100 ppm TWA: 465 mg/m ³ |
| ACETYLACETONE | 123-54-6 | 1% - 5% | TWA: 25 ppm S* | N/A |
| CARBON BLACK | 1333-86-4 | 1% - 5% | TWA: 3 mg/m ³ inhalable particulate matter | TWA: 3.5 mg/m ³ |
| BUTYL ACETATE | 123-86-4 | 1% - 5% | STEL: 150 ppm TWA: 50 ppm | TWA: 150 ppm TWA: 710 mg/m ³ |
| XYLENE(PURE) | 1330-20-7 | 0% - 1% | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm TWA: 435 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 | 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 | 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 | 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. 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. |
| Ingestion | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately. |
| 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

Extremely flammable.

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 Evacuate personnel to safe areas. Remove all sources of ignition. 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 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 |
|--------------------------------|---|--|---|
| 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 |
| 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 |
| ACETYLACETONE 123-54-6 | TWA: 25 ppm S* | N/A | |
| 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 |
| BUTYL ACETATE 123-86-4 | STEL: 150 ppm TWA: 50 ppm | TWA: 150 ppm TWA: 710 mg/m ³ | IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³ |
| XYLENE (PURE) 1330-20-7 | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm TWA: 435 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 | 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 | 0.99 |
| Evaporation Rate | No data available | Water solubility | No data available |
| Dynamic viscosity | No data available | Weight per Gallon (lbs/gal): | 8.23 |
| | | EPA VOC (lb/gal) | 3.66 |
| Flammability Limits in Air | | | |
| Upper | 0.01 % | | |
| 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
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 |
|----------------------|------------------|--------------------|------------------------|

| | | | |
|-----------------------------------|---|--|---------------------------------------|
| METHYL ACETATE 79-20-9 | > 5 g/kg (Rat) | > 5 g/kg (Rabbit) | > 49000 mg/m ³ (Rat) 4 h |
| METHYL AMYL KETONE 110-43-0 | = 1600 mg/kg (Rat) | = 12.6 mL/kg (Rabbit) | 2000 - 4000 ppm (Rat) 6 h |
| ACETYLACETONE 123-54-6 | = 570 mg/kg (Rat) = 760 mg/kg (Rat) | = 1370 mg/kg (Rabbit) = 790 mg/kg (Rabbit) | = 1224 ppm (Rat) 4 h |
| CARBON BLACK 1333-86-4 | > 15400 mg/kg (Rat) | N/A | > 4.6 mg/m ³ (Rat) 4 h |
| BUTYL ACETATE 123-86-4 | = 10768 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | = 0.74 mg/L (Rat) 4 h |
| 1,2,4-TRIMETHYLBENZENE 95-63-6 | = 3280 mg/kg (Rat) | > 3160 mg/kg (Rabbit) | = 18 g/m ³ (Rat) 4 h |
| XYLENE(PURE) 1330-20-7 | = 3500 mg/kg (Rat) | > 4350 mg/kg (Rabbit) | = 29.08 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 |
|---------------------------|-------|----------|-----|------|
| CARBON BLACK 1333-86-4 | A3 | Group 2B | N/A | X |
| XYLENE(PURE) 1330-20-7 | N/A | Group 3 | N/A | N/A |

Legend:

- ACGIH (American Conference of Governmental Industrial Hygienists)
- A3 - Animal Carcinogen
- 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 Avoid repeated exposure.

Target Organ Effects Central nervous system (CNS), Eyes, Lymphatic System, 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) 1076 mg/kg
- ATEmix (dermal) 4592 mg/kg
- ATEmix (inhalation-dust/mist) 4.4 mg/l
- Oral LD50 1689 mg/kg (rat) Estimated
- Dermal LD50 7220 mg/kg (rat) Estimated
- Inhalation LC50 153590 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 |
|-----------------------------------|---|---|--|
| 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 |
| ACETYLACETONE 123-54-6 | N/A | 50.3 - 71.8: 96 h Lepomis macrochirus mg/L LC50 flow-through 64.1-80.1: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 98.3 - 110: 96 h Pimephales promelas mg/L LC50 flow-through | 34.4: 48 h Daphnia magna mg/L EC50 |
| BUTYL ACETATE 123-86-4 | 674.7: 72 h Desmodesmus subspicatus mg/L EC50 | 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Lepomis macrochirus mg/L LC50 static | N/A |
| 1,2,4-TRIMETHYLBENZENE 95-63-6 | N/A | 7.19-8.28: 96 h Pimephales promelas mg/L LC50 flow-through | 6.14: 48 h Daphnia magna mg/L EC50 |
| XYLENE(PURE) 1330-20-7 | N/A | 13.1-16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 7.711-9.591: 96 h Lepomis macrochirus mg/L LC50 static 13.4: 96 h Pimephales promelas mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 | 0.6: 48 h Gammarus lacustris mg/L LC50 3.82: 48 h water flea mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|--------------------------------|-----------------------|
| METHYL ACETATE 79-20-9 | 0.18 |
| METHYL AMYL KETONE 110-43-0 | 1.98 |
| ACETYLACETONE 123-54-6 | 0.34 |
| BUTYL ACETATE 123-86-4 | 1.81 |
| XYLENE(PURE) 1330-20-7 | 3.15 |

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 |
|---------------------------|--------------------------------|------------------------|
| XYLENE(PURE) 1330-20-7 | 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 |
|---------------------------|-----------------------------------|
| METHYL ACETATE 79-20-9 | Toxic Ignitable |
| BUTYL ACETATE 123-86-4 | Toxic |
| XYLENE(PURE) 1330-20-7 | 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, 3, II
 Emergency Response Guide Number 128

TDG

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

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants This product contains the following HAPs:

| Chemical Name | CASNo | Hazardous air pollutants (HAPs) content |
|---------------|-----------|---|
| XYLENE(PURE) | 1330-20-7 | Present |

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| BUTYL ACETATE | 5000lb | N/A | N/A | X |
| XYLENE(PURE) | 100lb | N/A | N/A | X |

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 ACETATE | 5000lb | N/A | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| XYLENE(PURE) | 100lb | N/A | RQ 100 lb final RQ RQ 45.4 kg final RQ |

State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name | CASNo | California Proposition 65 |
|---------------|-----------|---------------------------|
| CARBON BLACK | 1333-86-4 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--------------------|---------------|------------|--------------|----------|--------------|
| METHYL ACETATE | X | X | X | N/A | N/A |
| METHYL AMYL KETONE | X | X | X | N/A | N/A |
| ACETYLACETONE | X | X | X | N/A | N/A |
| CARBON BLACK | X | X | X | X | N/A |
| BUTYL ACETATE | X | X | X | N/A | N/A |
| XYLENE(PURE) | X | X | X | X | X |

International Regulations

Mexico - Grade

Serious risk, Grade 3

| Chemical Name | Carcinogenic Status | Exposure Limits |
|--------------------|---------------------|--|
| METHYL ACETATE | N/A | Mexico: TWA 200 ppm Mexico: TWA 610 mg/m ³ Mexico: STEL 250 ppm |
| METHYL AMYL KETONE | N/A | Mexico: TWA 50 ppm |
| ACETYLACETONE | N/A | Mexico: TWA 20 ppm |

| | | |
|---------------|-----|--|
| CARBON BLACK | A3 | Mexico: TWA 3 mg/m ³ |
| BUTYL ACETATE | N/A | Mexico: TWA 150 ppm Mexico: TWA 710 mg/m ³ Mexico: STEL 200 ppm |
| XYLENE(PURE) | N/A | Mexico: TWA 100 ppm Mexico: STEL 150 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: 05-Mar-2021

Revision Date: 28-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. 31104KPX-T1

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SAFETY DATA SHEET

Issuing Date: 28-Jan-2022

Revision Date: 28-Jan-2022

Print Date: 28-Jan-2022

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

Product Code: 06480CMU

Product Name: HIGH SOLIDS URA-ZEN CATALYST, 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)

| | |
|---------------------------|------------|
| Respiratory sensitization | Category 1 |
| Skin sensitization | Category 1 |
| Flammable Liquids | Category 3 |

Label Elements

Emergency Overview

DANGER

Hazard Statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Flammable liquid and vapor



Appearance Clear

Physical state Liquid

Odor Solvent

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
In case of inadequate ventilation wear respiratory protection
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

If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
 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

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

There are no known carcinogenic chemicals in this product

This product contains substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990. See Section 15 for list of HAPS.

| Chemical Name | CAS No | Weight-% | ACGIH | OSHA |
|---|------------|-----------|------------------------------|--|
| HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE | 28182-81-2 | 80% - 90% | N/A | N/A |
| BUTYL ACETATE | 123-86-4 | 5% - 10% | STEL: 150 ppm TWA: 50 ppm | TWA: 150 ppm TWA: 710 mg/m ³ |
| HEXAMETHYLENE DIISOCYANATE MONOMER | 822-06-0 | 0% - 1% | TWA: 0.005 ppm | N/A |

4. FIRST AID MEASURES

First Aid Measures

| | |
|---|---|
| General advice | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. |
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash off immediately with soap and plenty of water. Consult a physician if necessary. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| Inhalation | Asthma-like and/ or skin allergy-like symptoms. |
| Ingestion | Call a physician immediately. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. |
| Self-protection of the first aider | Remove all sources of ignition. |
| 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: Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

Unsuitable Extinguishing Media No information available.

Specific hazards arising from the chemical

Flammable. Containers may explode when heated or if contaminated with water.

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

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.

Other information

DECONTAMINATION SOLUTION: Concentrated ammonia (3 - 8%), detergent (2%) and water (90 - 95%), a solution of Union Carbide's Tergitol TMN-10 (20%) and water (80%) or a solution of 50% isopropanol, 45% water, and 5% concentrated ammonia solution(% by weight).

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

Decontaminate floor with decontamination solution letting stand for at least 15 minutes. Soak up with inert absorbent material.

Methods for Cleaning Up

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. 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. Protect from moisture.

Incompatible Products Water. Glycol ethers. Alcohols. Epoxies. Bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH | OSHA | NIOSH IDLH |
|---|------------------------------|--|--|
| BUTYL ACETATE 123-86-4 | STEL: 150 ppm TWA: 50 ppm | TWA: 150 ppm TWA: 710 mg/m ³ | IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³ |
| HEXAMETHYLENE DIISOCYANATE MONOMER 822-06-0 | TWA: 0.005 ppm | N/A | Ceiling: 0.020 ppm 10 min Ceiling: 0.140 mg/m ³ 10 min TWA: 0.005 ppm TWA: 0.035 mg/m ³ |

NIOSH IDLH: Immediately Dangerous to Life or Health

Exposure controls

Engineering Measures Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

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 | 78 °F / 26 °C |
| Decomposition temperature | No data available | Boiling Point | 244 °F / 118 °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 | 1.12 |
| Evaporation Rate | No data available | Water solubility | No data available |
| Dynamic viscosity | No data available | Weight per Gallon (lbs/gal): | 9.36 |
| | | EPA VOC (lb/gal) | 0.93 |
| 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

Water. Glycol ethers. Alcohols. Epoxies. Bases.

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 |
|---|-----------------------|--------------------------|-------------------------|
| BUTYL ACETATE 123-86-4 | = 10768 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | = 0.74 mg/L (Rat) 4 h |
| HEXAMETHYLENE DIISOCYANATE MONOMER 822-06-0 | = 738 mg/kg (Rat) | = 593 mg/kg (Rabbit) | = 0.06 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 | No information available. |
| Legend: | |
| 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 | 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) | 10963 mg/kg |
| ATEmix (dermal) | 17936 mg/kg |
| ATEmix (inhalation-dust/mist) | 28.2 mg/l |
| Oral LD50 | 85470 mg/kg (rat) Estimated |
| Dermal LD50 | 114943 mg/kg (rat) Estimated |
| Inhalation LC50 | 15113 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 |
|--|---|---|---|
| BUTYL ACETATE 123-86-4 | 674.7: 72 h Desmodesmus subspicatus mg/L EC50 | 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Lepomis macrochirus mg/L LC50 static | N/A |
| HEXAMETHYLENE DIISOCYANATE MONOMER 822-06-0 | N/A | 26.1: 96 h Brachydanio rerio mg/L LC50 static | N/A |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|---------------------------|-----------------------|
| BUTYL ACETATE 123-86-4 | 1.81 |

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 |
|---------------------------|-----------------------------------|
| BUTYL ACETATE 123-86-4 | Toxic |

14. TRANSPORT INFORMATION

DOT

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

TDG

UN-No UN1263
Proper shipping name Paint
Hazard class 3

Packing Group III
Description UN1263, Paint, 3, III

MEX

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

ICAO

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

IATA

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

IMDG/IMO

UN-No UN1263
Hazard class 3
Packing Group III
EmS-No F-E, S-E
Special Provisions 163, 223, 367 955

RID

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group III
Classification Code F1
Description UN1263, Paint, 3, III

ADR/RID

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

ADN

Proper shipping name Paint
Hazard class 3
Packing Group III
Classification Code F1
Special Provisions 163, 640E, 650
Description UN1263, Paint, 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 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)

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants This product contains the following HAPs:

| Chemical Name | CAS No | Hazardous air pollutants (HAPs) content |
|------------------------------------|----------|---|
| HEXAMETHYLENE DIISOCYANATE MONOMER | 822-06-0 | Present |

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| BUTYL ACETATE | 5000 lb | N/A | N/A | X |

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 ACETATE | 5000 lb | N/A | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| HEXAMETHYLENE DIISOCYANATE MONOMER | 100 lb | N/A | RQ 100 lb final RQ RQ 45.4 kg final RQ |

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 |
|---------------|---------------|------------|--------------|----------|--------------|
| BUTYL ACETATE | X | X | X | N/A | N/A |

International Regulations

Mexico - Grade Serious risk, Grade 3

| Chemical Name | Carcinogenic Status | Exposure Limits |
|------------------------------------|---------------------|--|
| BUTYL ACETATE | N/A | Mexico: TWA 150 ppm Mexico: TWA 710 mg/m ³ Mexico: STEL 200 ppm |
| HEXAMETHYLENE DIISOCYANATE MONOMER | N/A | Mexico: TWA 0.005 ppm |

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: 28-Jan-2022

Revision Date: 28-Jan-2022

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. 06480CMU

end