



SAFETY DATA SHEET

Issuing Date: 18-Dec-2013

Revision Date: 25-Jul-2014

Revision Number: 1

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

Product Code: 18290KUZ-B33

Product Name: BLACK NON-SKID ZENTHANE, A-A-59166,
TYPE II

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 - Inhalation (Dusts/Mists) | Category 4 |
| Carcinogenicity | Category 2 |
| Flammable Liquids | Category 3 |

Label Elements

Emergency Overview

WARNING

Hazard Statements

harmful if inhaled
Suspected of causing cancer
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
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
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 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

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

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 |
|--|------------|-----------|-----------------------------|--|
| METHYL ISOAMYL KETONE | 110-12-3 | 30% - 40% | STEL: 50 ppm TWA: 20 ppm | TWA: 100 ppm TWA: 475 mg/m ³ |
| HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE | 28182-81-2 | 20% - 30% | N/A | N/A |
| METHYL AMYL KETONE | 110-43-0 | 1% - 5% | TWA: 50 ppm | TWA: 100 ppm TWA: 465 mg/m ³ |
| HEXAMETHYLENE DIISOCYANATE | 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

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

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

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. Asthma-like and/ or skin allergy-like symptoms.

Ingestion

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 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. 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. 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 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). 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

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 |
|-----------------------------------|---|--|---|
| METHYL ISOAMYL KETONE 110-12-3 | STEL: 50 ppm TWA: 20 ppm | TWA: 100 ppm TWA: 475 mg/m ³ | TWA: 50 ppm TWA: 240 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 |
| CARBON BLACK 1333-86-4 | TWA: 3 mg/m ³ inhalable fraction | 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 |
| ORGANIC TIN COMPOUND 77-58-7 | STEL: 0.2 mg/m ³ Sn TWA: 0.1 mg/m ³ Sn S* | TWA: 0.1 mg/m ³ Sn | IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn |

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 | Opaque |
| Odor | Solvent. | Odor Threshold | No data available |
| pH | No data available | Flash Point | 97 °F / 36 °C |
| Decomposition temperature | No data available | Boiling Point | 278 °F / 137 °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 | 1.04 |
| Evaporation Rate | No data available | Water solubility | No data available |
| Dynamic viscosity | No data available | Weight per Gallon (lbs/gal): | 8.69 |
| | | Flammability Limits in Air | |
| | | Upper | 2.87 % |
| | | Lower | 0.37 % |

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 |
|---|---------------------|-----------------------|-------------------------------------|
| METHYL ISOAMYL KETONE 110-12-3 | 3200 mg/kg (Rat) | 10 mL/kg (Rabbit) | 3813 ppm (Rat) 6 h |
| HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE 28182-81-2 | N/A | N/A | 18500 mg/m ³ (Rat) 1 h |
| BLACK IRON OXIDE PIGMENT 1317-61-9 | 10000 mg/kg (Rat) | N/A | N/A |
| METHYL AMYL KETONE 110-43-0 | 1600 mg/kg (Rat) | 12.6 mL/kg (Rabbit) | 2000 ppm (Rat) 4 h |

| | | | |
|---------------------------------|------------------|----------------------|-----|
| ORGANIC TIN COMPOUND 77-58-7 | 45 mg/kg (Rat) | 630 mg/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 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 |

Legend:

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 May cause adverse liver effects.
Target Organ Effects Central nervous system (CNS), Eyes, Gastrointestinal tract (GI), Kidney, Liver, 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) 3743 mg/kg
ATEmix (dermal) 10148 mg/kg
ATEmix (inhalation-dust/mist) 1.5 mg/l
Oral LD50 10745 mg/kg (rat) Estimated
Dermal LD50 27161 mg/kg (rat) Estimated

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to daphnia and other aquatic invertebrates |
|-----------------------------------|-------------------|---|---|
| METHYL ISOAMYL KETONE 110-12-3 | N/A | 159: 96 h Pimephales promelas mg/L LC50 flow-through | N/A |
| 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 |
|-----------------------------------|-----------------------|
| METHYL ISOAMYL KETONE 110-12-3 | 1.88 |
| 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
U239

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 |
|---------------------------------|-----------------------------------|
| ORGANIC TIN COMPOUND 77-58-7 | 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 |

ICAO

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

IMDG/IMO

| | |
|----------------------|-----------------------|
| UN-No | UN1263 |
| Proper shipping name | Paint |
| Hazard class | 3 |
| Packing Group | III |
| EmS-No | F-E, S-E |
| Special Provisions | 163, 223, 955 |
| Description | UN1263, Paint, 3, III |

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 |
| 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 |
| 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 |
|---------------|-----------|---------------------------|
| CARBON BLACK | 1333-86-4 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---------------|---------------|------------|--------------|----------|--------------|
|---------------|---------------|------------|--------------|----------|--------------|

| | | | | | |
|-----------------------|---|---|---|-----|---|
| METHYL ISOAMYL KETONE | X | X | X | N/A | X |
| METHYL AMYL KETONE | X | X | X | N/A | X |
| CARBON BLACK | X | X | X | X | X |

International Regulations

Mexico - Grade

Serious risk, Grade 3

| Chemical Name | Carcinogenic Status | Exposure Limits |
|-----------------------|---------------------|---|
| METHYL ISOAMYL KETONE | N/A | Mexico: TWA 100 ppm Mexico: TWA 475 mg/m ³ |
| METHYL AMYL KETONE | N/A | Mexico: TWA 50 ppm Mexico: TWA 235 mg/m ³ Mexico: STEL 100 ppm Mexico: STEL 465 mg/m ³ |
| CARBON BLACK | N/A | Mexico: TWA 3.5 mg/m ³ Mexico: STEL 7 mg/m ³ |
| ORGANIC TIN COMPOUND | N/A | Mexico: TWA 0.1 mg/m ³ Mexico: STEL 0.2 mg/m ³ |

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:

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Revision Date:

25-Jul-2014

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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