



# Material Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 03885KMZ-PA

Product Name: BLACK NONSKID 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: ChemTrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

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

May cause central nervous system depression

May be harmful if swallowed

**EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE**

### Potential Health Effects

#### Principle Routes of Exposure

Inhalation, Skin Contact, Eye Contact

#### Acute Toxicity

##### Eyes

Prolonged contact may result in chemical burns to the eyes. Blindness may occur.

##### Skin

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Severe skin irritant. Repeated or prolonged contact: Causes severe irritation and or burns.

##### Inhalation

May cause allergic respiratory reaction. May be harmful if inhaled. May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Exposure well above the exposure limits may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in the lungs). As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the TLV. These symptoms could be immediate or delayed up to several hours after exposure and could include chest tightness, wheezing, cough or asthmatic attack. Anesthetic. Isocyanates may cause acute irritation and/or sensitization of the respiratory system leading to tightness of the chest, wheeziness and an asthmatic condition. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Chronic overexposure to isocyanates has also been reported to cause lung damage, including decrease in lung function, which may be permanent.

##### Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

#### Chronic Toxicity

May cause adverse liver effects.

#### Aggravated Medical Conditions

Central nervous system. Gastrointestinal tract. Preexisting eye disorders. Blood disorders. Liver disorders. Skin disorders. Respiratory disorders. Peripheral Nervous System (PNS). Lungs.

#### Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

#### Environmental hazard

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See Section 12 for additional Ecological Information.

**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.

## Hazardous Components

Chemical Name	CAS-No	Weight	ACGIH TLV	OSHA PEL
ALUMINUM OXIDE	1344-28-1	20% - 30%	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction
METHYL AMYL KETONE	110-43-0	10% - 20%	TWA: 50 ppm	TWA: 100 ppm TWA: 465 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 465 mg/m <sup>3</sup>
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	10% - 20%	-	-
CRISTOBLITE CRYSTALLINE SILICA	14464-46-1	5% - 10%	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 0.05 mg/m <sup>3</sup> respirable dust : $(1/2)(30)/(\%SiO_2 + 2)$ mg/m <sup>3</sup> TWA total dust : $(1/2)(250)/(\%SiO_2 + 5)$ mppcf TWA respirable fraction : $(1/2)(10)/(\%SiO_2 + 2)$ mg/m <sup>3</sup> TWA respirable fraction
QUARTZ CRYSTALLINE SILICA	14808-60-7	0% - 5%	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : $(30)/(\%SiO_2 + 2)$ mg/m <sup>3</sup> TWA total dust : $(250)/(\%SiO_2 + 5)$ mppcf TWA respirable fraction : $(10)/(\%SiO_2 + 2)$ mg/m <sup>3</sup> TWA respirable fraction
BLACK IRON OXIDE PIGMENT	1317-61-9	0% - 5%	TWA: 1 mg/m <sup>3</sup> Fe	(vacated) TWA: 1 mg/m <sup>3</sup> Fe
DIATOMACEOUS EARTH, FLUX CALCINED	68855-54-9	0% - 5%	-	-
1,2,4-TRIMETHYLBENZENE	95-63-6	0% - 5%	-	-
METHYL ACETATE	79-20-9	0% - 5%	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m <sup>3</sup>
1,3,5-TRIMETHYLBENZENE	108-67-8	0% - 5%	-	-
CARBON BLACK	1333-86-4	0% - 5%	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> (vacated) TWA: 3.5 mg/m <sup>3</sup>
ORGANIC TIN COMPOUND	77-58-7	0% - 5%	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*

CUMENE	98-82-8	0% - 5%	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> S*
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#### 4. FIRST AID MEASURES

<b>General advice</b>	Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Consult a physician is necessary. For severe exposure, remove clothing and use safety shower. Seek medical attention.
<b>Inhalation</b>	Asthmatic type symptoms can be immediate or deferred up to several hours.
<b>Ingestion</b>	If swallowed, call a poison control center or doctor immediately.

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames Extremely flammable liquid and vapor Flammable Liquid
<b>Flash Point</b>	14 °F / -10 °C
<b>Flammability Limits in Air</b>	
Upper	2.11 %
Lower	0.32 %
<b>Suitable Extinguishing Media</b>	Dry Chemical.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	Yes.
<b>Specific hazards arising from the chemical</b>	Extremely flammable. Containers may explode when heated or if contaminated with water.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
<b>HMIS</b>	<b>Health Hazard</b> 2 * <b>Flammability</b> 3 <b>Physical Hazard</b> 1 <b>Personal protection</b> X
* Chronic Health Hazard	

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid breathing vapors or mists. Ventilate the area.
<b>Environmental Precautions</b>	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.
<b>Methods for Containment</b>	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.

#### 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).

## 7. HANDLING AND STORAGE

#### 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 only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use bonding and grounding when transferring materials. Use non-sparking tools and equipment.

#### Technical Measures/Storage Conditions

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Protect the container from moisture. If moisture enters the container, do not reseal, pressure can build-up and cause container to burst.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
ALUMINUM OXIDE	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction
METHYL AMYL KETONE	TWA: 50 ppm	TWA: 100 ppm TWA: 465 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 465 mg/m <sup>3</sup>
CRISTOBLITE CRYSTALLINE SILICA	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 0.05 mg/m <sup>3</sup> respirable dust : (1/2)(30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust : (1/2)(250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (1/2)(10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction
QUARTZ CRYSTALLINE SILICA	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction
BLACK IRON OXIDE PIGMENT	TWA: 1 mg/m <sup>3</sup> Fe	(vacated) TWA: 1 mg/m <sup>3</sup> Fe
METHYL ACETATE	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m <sup>3</sup>
CARBON BLACK	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> (vacated) TWA: 3.5 mg/m <sup>3</sup>
ORGANIC TIN COMPOUND	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*
CUMENE	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> S*

NIOSH IDLH: Immediately Dangerous to Life or Health

## Engineering Measures

Air sampling should be done to measure airborne concentrations of the monomer of Hexamethylene Diisocyanate (HDI), the HDI polyisocyanate and organic solvents. Good industrial hygiene practice dictates that when isocyanate-containing coatings are spray applied, some form of respiratory protection should be worn. During the spray application of these coatings, the use of a supplied-air respirator (either positive pressure or continuous flow type) is mandatory when one or more of the following conditions exist: . the airborne isocyanate concentrations are not known; or. the airborne isocyanate concentrations exceed ten times the exposure limits; or. no airborne solvent concentration exceeds its odor threshold;or. spraying is performed in a confined space.(See OSHA Confined Space Standard 29 CFR 1910.146.)A properly fitted air-purifying respirator (combination organic vapor and particulate), proven by test to be effective in isocyanate-containing spray paint environments. the airborne isocyanate concentrations are known to be below ten times the exposure limits;. at least one solvent in the coating has a published odor threshold; and. at least one airborne solvent concentration is lower than its TLV but higher than its odor threshold.The odor of the solvent will then alert the respirator wearer to any breakdown of the respirator filters. FOR NON-SPRAY OPERATIONS: the same precautions. a local exhaust hood should be used to remove fumes during the welding or cutting operation. a fresh air supplied respirator should be worn during welding or cutting. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

## Personal Protective Equipment

### Eye/Face Protection

Safety glasses with side-shields. Do not wear contact lenses.

### Skin and Body Protection

Solvent-resistant gloves. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

### Respiratory Protection

Maintain adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

### Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C	Liquid	Appearance	Opaque
Odor	Solvent.	Flash Point	14 °F / -10 °C
Boiling Point	133 °F / 56 °C	Specific Gravity	1.44
Weight per Gallon (lbs/gal):	12.03		
Flammability Limits in Air			
Upper	2.11 %		
Lower	0.32 %		

## 10. STABILITY AND REACTIVITY

### Stability

Stable under recommended storage conditions.

### Incompatible Products

Water, epoxy catalysts, alcohols, glycol ethers, bases, metal complexes, and other active materials.

### Conditions to Avoid

None known based on information supplied.

### Hazardous Decomposition Products

n-butyl acid phosphate may decompose in fire conditions to give off phosphoric oxides and oxides of carbon.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Product Information**

Excessive inhalation of crystalline silica may cause lung damage in the form of silicosis, which is progressive and sometimes fatal. Long-term repeated exposure to Xylene may result in hearing loss.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ALUMINUM OXIDE	5000 mg/kg ( Rat )	-	-
METHYL AMYL KETONE	1670 mg/kg ( Rat )	12600 µL/kg ( Rabbit )	-
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	-	-	18500 mg/m <sup>3</sup> ( Rat ) 1 h
QUARTZ CRYSTALLINE SILICA	500 mg/kg ( Rat )	-	-
BLACK IRON OXIDE PIGMENT	10000 mg/kg ( Rat )	-	-
1,2,4-TRIMETHYLBENZENE	3400 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	18 g/m <sup>3</sup> ( Rat ) 4 h
METHYL ACETATE	5000 mg/kg ( Rat )	2000 mg/kg ( Rat ) 5000 mg/kg ( Rabbit )	16000 ppm ( Rat ) 4 h
1,3,5-TRIMETHYLBENZENE	5000 mg/kg ( Rat )	-	24 g/m <sup>3</sup> ( Rat ) 4 h
CARBON BLACK	15400 mg/kg ( Rat )	3 g/kg ( Rabbit )	-
ORGANIC TIN COMPOUND	175 mg/kg ( Rat )	-	-
CUMENE	1400 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	39000 mg/m <sup>3</sup> ( Rat ) 4 h

**Chronic Toxicity****Product Information**

Excessive inhalation of crystalline silica may cause lung damage in the form of silicosis, which is progressive and sometimes fatal. Long-term repeated exposure to Xylene may result in hearing loss. May cause adverse liver effects.

**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	IARC	ACGIH	NTP	OSHA
CRISTOBLITE CRYSTALLINE SILICA	Group 1	A2	-	X
QUARTZ CRYSTALLINE SILICA	Group 1	A2	Known	X
DIATOMACEOUS EARTH, FLUX CALCINED	Group 3	-	-	-
CARBON BLACK	Group 2B	-	-	X
CUMENE	Group 2B	-	-	X

**Legend:****ACGIH: (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen

## OSHA: (Occupational Safety &amp; Health Administration)

X - Present

## Target Organ Effects

Blood, Central nervous system (CNS), Eyes, Gastrointestinal tract (GI), Liver, Lungs, Peripheral Nervous System (PNS), Respiratory system, Skin.

## 12. ECOLOGICAL INFORMATION

## Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
METHYL AMYL KETONE	-	126-137: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
1,2,4-TRIMETHYLBENZENE	-	7.19-8.28: 96 h Pimephales promelas mg/L LC50 flow-through	-	6.14: 48 h Daphnia magna mg/L EC50
METHYL ACETATE	120: 72 h Desmodesmus subspicatus mg/L EC50	295-348: 96 h Pimephales promelas mg/L LC50 flow-through 250-350: 96 h Brachydanio rerio mg/L LC50 static	-	1026.7: 48 h Daphnia magna mg/L EC50
1,3,5-TRIMETHYLBENZENE	-	3.48: 96 h Pimephales promelas mg/L LC50	-	50: 24 h Daphnia magna mg/L EC50
CARBON BLACK	-	-	-	5600: 24 h Daphnia magna mg/L EC50
ORGANIC TIN COMPOUND	-	2: 48 h Oryzias latipes mg/L LC50	-	-
CUMENE	2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50	6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 2.7: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 5.1: 96 h Poecilia reticulata mg/L LC50 semi-static	-	0.6: 48 h Daphnia magna mg/L EC50 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static

## 13. DISPOSAL CONSIDERATIONS

## Waste Disposal Methods

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

## US EPA Waste Number

U055 U239 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	Toxic Ignitable
ORGANIC TIN COMPOUND	Toxic
CUMENE	Toxic Ignitable

## 14. TRANSPORT INFORMATION

## DOT

Proper shipping name

Paint

Hazard class	3
UN/ID No	UN1263
Packing Group	II
Description	UN1263, Paint, 3, II
Emergency Response Guide Number	128

**TDG**

Proper shipping name	Paint
Hazard class	3
UN/ID No	UN1263
Packing Group	II
Description	UN1263, Paint, 3, II

**MEX**

Proper shipping name	Paint
Hazard class	3
UN/ID No	UN1263
Packing Group	II
Description	UN1263, Paint, 3, II

**ICAO**

UN/ID No	UN1263
Proper shipping name	Paint
Hazard class	3
Packing Group	II
Description	UN1263, Paint, 3, II

**ICAO/IATA**

UN/ID No	UN1263
Proper shipping name	Paint
Hazard class	3
Packing Group	II
ERG Code	3L
Description	UN1263, Paint, 3, II

**IMDG/IMO**

Proper shipping name	Paint
Hazard class	3
UN/ID No	UN1263
Packing Group	II
EmS No.	F-E, S-E
Description	UN1263, Paint, 3, II

**RID**

Proper shipping name	Paint
Hazard class	3
UN/ID No	UN1263
Packing Group	II
Classification Code	F1
Description	UN1263, Paint, 3, II

**ADR/RID**

Proper shipping name	Paint
Hazard class	3



UN/ID No UN1263  
Packing Group II  
Classification Code F1  
Description UN1263, Paint, 3, II, (D/E)  
ADR/RID-Labels 3

**ADN**

Proper shipping name Paint  
Hazard class 3  
UN/ID No UN1263  
Packing Group II  
Classification Code F1  
Special Provisions 163, 640C, 650  
Description UN1263, Paint, 3, II  
Limited quantity 5 L  
Ventilation VE01

**15. REGULATORY INFORMATION****International Inventories**

TSCA Complies  
DSL/NDSL Complies

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. 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	Weight	SARA 313 - Threshold Values %
ALUMINUM OXIDE	1344-28-1	20% - 30%	1.0
1,2,4-TRIMETHYLBENZENE	95-63-6	0% - 5%	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

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
CUMENE	98-82-8	0.101976	Present	Group I	-	-

**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
CUMENE	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
QUARTZ CRYSTALLINE SILICA	14808-60-7	Carcinogen
CARBON BLACK	1333-86-4	Carcinogen
CUMENE	98-82-8	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
ALUMINUM OXIDE	X	X	X	-	X
METHYL AMYL KETONE	X	X	X	-	X
CRISTOBLITE CRYSTALLINE SILICA	X	X	X	-	-
QUARTZ CRYSTALLINE SILICA	X	X	X	-	X
1,2,4-TRIMETHYLBENZENE	X	X	X	X	-
METHYL ACETATE	X	X	X	-	X
TRIETHYL ORTHOFORMATE	X	X	X	-	-
N-PROPYLBENZENE	X	X	X	-	-
CARBON BLACK	X	X	X	X	X
CUMENE	X	X	X	X	X

**International Regulations****Mexico - Grade**

Serious risk, Grade 3

Chemical Name	Carcinogen Status	Exposure Limits
ALUMINUM OXIDE	-	Mexico: TWA 10 mg/m <sup>3</sup>
METHYL AMYL KETONE	-	Mexico: TWA 50 ppm Mexico: TWA 235 mg/m <sup>3</sup> Mexico: STEL 100 ppm Mexico: STEL 465 mg/m <sup>3</sup>
CRISTOBLITE CRYSTALLINE SILICA	-	Mexico: TWA 0.05 mg/m <sup>3</sup>
QUARTZ CRYSTALLINE SILICA	-	Mexico: TWA 0.1 mg/m <sup>3</sup>
BLACK IRON OXIDE PIGMENT	-	Mexico: TWA 1 mg/m <sup>3</sup> Mexico: STEL 2 mg/m <sup>3</sup>
METHYL ACETATE	-	Mexico: TWA 200 ppm Mexico: TWA 610 mg/m <sup>3</sup> Mexico: STEL 250 ppm Mexico: STEL 760 mg/m <sup>3</sup>
CARBON BLACK	-	Mexico: TWA 3.5 mg/m <sup>3</sup> Mexico: STEL 7 mg/m <sup>3</sup>
ORGANIC TIN COMPOUND	-	Mexico: TWA 0.1 mg/m <sup>3</sup> Mexico: STEL 0.2 mg/m <sup>3</sup>
CUMENE	-	Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>

## 16. OTHER INFORMATION

### 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.

end