



# Safety Data Sheet

Issue Date 28-Aug-2019

Revision Date 28-Aug-2019

Revision Number 5

## 1. IDENTIFICATION

### Product identifier

**Product Code** F469-0904A  
**Product Name** LAVACRETE EPOXY

### Other means of identification

**Common Name** SERIES 469, PART A  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** industrial paint.  
**Uses advised against** Consumer use, For professional use only. Not for residential use.

### Details of the supplier of the safety data sheet

**Manufacturer Address**  
Tnemec Company, Inc  
dba Propolymer Coatings  
8460 Watson Road  
St. Louis, MO 63119

### **Distributor**

Tnemec Company, Inc. 86 Boul, des Entreprises, Ste. 203,  
Boisbriand, Quebec Canada J7G 2T3

### Emergency telephone number

**Company Phone Number** Tnemec Regulatory Dept: 816-474-3400  
**24 Hour Emergency Phone Number** 800-535-5053 (Infotrac)

## 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 2A
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3

### Label elements

## EMERGENCY OVERVIEW

### **WARNING**

### **Hazard statements**

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause respiratory irritation. May cause drowsiness or dizziness



**Appearance** viscous liquid

**Physical state** liquid

**Odor** Slight

### Precautionary Statements

#### Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Use only outdoors or in a well-ventilated area

#### Response

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

#### Storage

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up  
 Keep away from children

#### Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Cancer hazard

#### Other information

Toxic to aquatic life with long lasting effects  
 SEE SAFETY DATA SHEET

If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
EPOXY RESIN (LER)	25085-99-8	60 - 100%
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	1 - <10%
BENZYL ALCOHOL	100-51-6	1 - <10%
CARBON BLACK DUST & FUME	1333-86-4	0.1 - <1%

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin contact</b>	If skin irritation persists, call a physician. Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
<b>Self-protection of the first aider</b>	Use personal protective equipment.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>Most important symptoms and effects</b>	May cause redness and tearing of the eyes. MAY CAUSE SKIN IRRITATION.
<b>Notes to physician</b>	Treat symptomatically. May cause sensitization in susceptible persons.

## 5. FIRE-FIGHTING MEASURES

### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Carbon dioxide. Foam. Dry chemical.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

### **Specific hazards arising from the chemical**

In the event of fire and/or explosion do not breathe fumes Thermal decomposition can lead to release of irritating gases and vapours

**Hazardous combustion products** Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Aldehydes. Phenolics.

**Impact sensitivity** No.

**Sensitivity to Static Discharge** No.

### **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. Burning produces obnoxious and toxic fumes. Avoid run off to waterways and sewers. Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Avoid contact with eyes, skin and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### **Environmental Precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

#### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labelled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use clean non-sparking tools to collect absorbed material. Use personal protective equipment.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Handling** Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

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

**Storage** Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep out of the reach of children.

**Incompatible products** Incompatible with strong acids and bases. Incompatible with oxidizing agents.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

#### **Exposure guidelines**

<b>Chemical name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup>	5000 mg/m <sup>3</sup>
CARBON BLACK DUST & FUME 1333-86-4	TWA: 3 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>	1750 mg/m <sup>3</sup>

#### **Legend**

*NIOSH IDLH: Immediately Dangerous to Life or Health*

### **Appropriate engineering controls**

**Engineering measures** Sufficient ventilation, in volume and pattern, should be provided through both local and general exhaust to keep the air contaminant concentration below current applicable OSHA Permissible Exposure Limits (PEL) and ACGIH's Threshold Limit Values (TLV). Appropriate ventilation should be employed to remove hazardous decomposition products formed during welding or flame cutting operations of surfaces coated with this product. Provide readily accessible eye wash stations and safety showers.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tightly fitting safety goggles

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**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.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding. When using, do not eat, drink

or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Slight
<b>Appearance</b>	viscous liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH		No data available
Melting point / freezing point	No data available	
Boiling point / boiling range	200 °C / 392 °F	
Flash point	> 110 °C / > 230 °F	Pensky Martens - Closed Cup
Evaporation rate		No data available
Flammability (solid, gas)	No data available	
Flammability Limit in Air		No data available
Upper flammability limit	NA	
Lower flammability limit	NA	
Vapor pressure		No data available
Vapor density		No data available
Specific gravity	1.2057	g/cm <sup>3</sup>
Water solubility	Insoluble in cold water	
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Autoignition temperature	No data available	No data available
Decomposition temperature	No information available	No data available
Kinematic viscosity	No information available	No data available
Dynamic viscosity		No data available
Explosive properties	Not an explosive	

### Other Information

<b>Molecular weight</b>	No information available
<b>Density</b>	10.0440 lbs/gal
<b>Volatile organic compounds (VOC) content</b>	0.065 lbs/gal
<b>Total volatiles weight percent</b>	.6500 %
<b>Total volatiles volume percent</b>	.8662 %
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Incompatible with strong acids and bases, Incompatible with oxidizing agents

### Hazardous decomposition products

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke).

Carbon monoxide. Unidentified organic and inorganic compounds. Aldehydes. Phenolics.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	May be harmful if swallowed.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	> 10000 mg/kg ( Rat )	-	-
BENZYL ALCOHOL 100-51-6	= 1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	= 8.8 mg/L ( Rat ) 4 h
CARBON BLACK DUST & FUME 1333-86-4	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	-

### Information on toxicological effects

**Symptoms** May cause allergic skin reaction. Irritating to eyes and skin. May cause redness and tearing of the eyes.

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

**Chronic Toxicity** Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure. Substances known to be carcinogenic to man. Substances known to cause developmental toxicity in humans.

**Sensitization** May cause sensitization of susceptible persons.

**Mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7		Group 2B	-	X
CARBON BLACK DUST & FUME 1333-86-4	A3	Group 2B	-	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

NTP: (National Toxicity Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

**Reproductive effects** No information available.  
**STOT - single exposure** No information available  
**STOT - repeated exposure** No information available  
**Target organ effects** Eyes, Skin, respiratory system, Lungs.  
**Aspiration hazard** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects

20 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
EPOXY RESIN (LER) 25085-99-8	11 mg/L 72 hr	2 mg/L 96 hr Oncorhynchus mykiss	1.8 mg/L 48h
BENZYL ALCOHOL 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	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
CARBON BLACK DUST & FUME 1333-86-4	-	-	5600: 24 h Daphnia magna mg/L EC50

#### Persistence and degradability

No information available.

#### Bioaccumulation

No information available.

#### Mobility in Environmental Media

Chemical name	log Pow
EPOXY RESIN (LER) 25085-99-8	3
BENZYL ALCOHOL 100-51-6	1.1

#### Other Adverse Effects

No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

#### Disposal Methods

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

#### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### US EPA Waste Number

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
METHANOL (SKIN) 67-56-1		Included in waste stream: F039		U154

### 14. TRANSPORT INFORMATION

#### DOT

Proper Shipping Name

Paint related material NOT REGULATED

#### Additional information

Call TNE MEC Traffic Department - 816-474-3400 for additional information or other modes of Transportation.

### 15. REGULATORY INFORMATION

#### International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Does Not Comply
ENCS	Does Not Comply

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 Commercial Chemical Substances/EU 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

**This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).**

**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 and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

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

**California Prop. 65**

**WARNING:** This product can expose you to the following chemicals which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical name	California Prop. 65
TITANIUM DIOXIDE (TOTAL DUST) - 13463-67-7	Carcinogen
CARBON BLACK DUST & FUME - 1333-86-4	Carcinogen
AMORPHOUS SILICA - 7631-86-9	Carcinogen

**California SCAQMD Rule 443**

Contains Photochemically Reactive Solvent

**State Right-to-Know**

Chemical name	New Jersey	Massachusetts	Pennsylvania
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	X	X	X
BENZYL ALCOHOL 100-51-6		X	X
CARBON BLACK DUST & FUME 1333-86-4	X	X	X

**16. OTHER INFORMATION**

**NFPA** Health 2 Flammability 1 Instability 0 Physical hazard -  
**HMIS (Hazardous Material Information System)** Health 2 Flammability 1 Reactivity 0

Chronic Hazard Star Legend

\* = Chronic Health Hazard



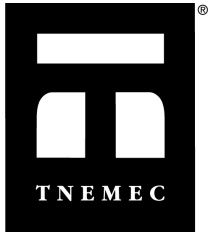
Prepared By Tnemec Regulatory Dept: 816-474-3400  
Revision Date 28-Aug-2019  
Revision Summary  
1 9 4 5 6 7 10 8 11 13 14 15 3

**Disclaimer**

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

**End of SDS**



# Safety Data Sheet

Issue Date 26-Aug-2019

Revision Date 26-Aug-2019

Revision Number 3

## 1. IDENTIFICATION

### Product identifier

**Product Code** F469-0479B  
**Product Name** LAVACRETE AMINE

### Other means of identification

**Common Name** SERIES 469/479, PART B  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** industrial paint.  
**Uses advised against** Consumer use, For professional use only. Not for residential use.

### Details of the supplier of the safety data sheet

**Manufacturer Address** Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372 816-474-3400  
**Distributor** Tnemec Company, Inc. 86 Boul, des Entreprises, Ste. 203, Boisbriand, Quebec Canada J7G 2T3

### Emergency telephone number

**Company Phone Number** Tnemec Regulatory Dept: 816-474-3400  
**24 Hour Emergency Phone Number** 800-535-5053 (Infotrac)

## 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
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Reproductive Toxicity	Category 2

### Label elements

#### EMERGENCY OVERVIEW

**Danger**

#### **Hazard statements**

Causes severe skin burns and eye damage  
May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child

**Appearance** viscous liquid**Physical state** liquid**Odor** amine**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  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

**Response**

Immediately call a POISON CENTER or doctor/physician  
 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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 Do NOT induce vomiting

**Storage**

Store locked up  
 Keep away from children

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

May be harmful in contact with skin  
 Toxic to aquatic life with long lasting effects  
 SEE SAFETY DATA SHEET  
 Acute Toxicity

3.05E-06 % of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
MODIFIED ALIPHATIC AMINE	1477-55-0	30 - <60%
MODIFIED ALIPHATIC AMINE	2855-13-2	1 - <10%
4-TERT-BUTYLPHENOL	98-54-4	1 - <10%
BENZYL ALCOHOL	100-51-6	1 - <10%

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. For minor skin contact, avoid spreading material on unaffected skin. If symptoms persist, call a physician.
<b>Inhalation</b>	Remove affected individual to fresh air. Treat symptomatically. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Consult a physician. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Drink plenty of water. Do not induce vomiting without medical advice.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

##### Most important symptoms and effects, both acute and delayed

<b>Notes to physician</b>	Treat symptomatically. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Water spray. Carbon dioxide. Foam. Dry chemical. Dike fire-control water for later disposal.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors Runoff may pollute waterways

**Hazardous combustion products** Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon dioxide.

<b>Impact sensitivity</b>	No.
<b>Sensitivity to Static Discharge</b>	No.

##### 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. Burning produces obnoxious and toxic fumes. Avoid run off to waterways and sewers. Move containers from fire area if you can do it without risk.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
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Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk.

### Environmental Precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

### Methods and material for containment and cleaning up

**Methods for containment** A vapor suppressing foam may be used to reduce vapors. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Pick up and transfer to properly labelled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use clean non-sparking tools to collect absorbed material. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Use with local exhaust ventilation. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Incompatible products** Incompatible with strong acids and bases. Incompatible with oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
MODIFIED ALIPHATIC AMINE 1477-55-0	Skin Ceiling: 0.018 ppm	Skin Ceiling: 0.1 mg/m <sup>3</sup>	

#### Legend

*NIOSH IDLH: Immediately Dangerous to Life or Health*

### Appropriate engineering controls

**Engineering measures** Sufficient ventilation, in volume and pattern, should be provided through both local and general exhaust to keep the air contaminant concentration below current applicable OSHA Permissible Exposure Limits (PEL) and ACGIH's Threshold Limit Values (TLV). Appropriate ventilation should be employed to remove hazardous decomposition products formed during welding or flame cutting operations of surfaces coated with this product. Provide readily accessible eye wash stations and safety showers.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tightly fitting safety goggles If splashes are likely to occur, wear face-shield.

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls,

as appropriate, to prevent skin contact.

**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.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	amine
<b>Appearance</b>	viscous liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	
<b>pH</b>		No data available	
<b>Melting point / freezing point</b>	No data available		
<b>Boiling point / boiling range</b>	> 120 °C / 248 °F		
<b>Flash point</b>	> 110 °C / > 230 °F	Pensky Martens - Closed Cup	
<b>Evaporation rate</b>		No data available	
<b>Flammability (solid, gas)</b>	No data available		
<b>Flammability Limit in Air</b>		No data available	
<b>Upper flammability limit</b>			
<b>Lower flammability limit</b>	No information available		
<b>Vapor pressure</b>		No data available	
<b>Vapor density</b>		No data available	
<b>Specific gravity</b>	1.08953 1.0	g/cm <sup>3</sup>	
<b>Water solubility</b>	Insoluble in cold water		
<b>Solubility in other solvents</b>		No data available	
<b>Partition coefficient: n-octanol/water</b>		No data available	
<b>Autoignition temperature</b>	No data available	No data available	
<b>Decomposition temperature</b>	No information available	No data available	
<b>Kinematic viscosity</b>	No information available	No data available	
<b>Dynamic viscosity</b>		No data available	
<b>Explosive properties</b>	Not an explosive		
<b>Other Information</b>			
<b>Molecular weight</b>	No information available		
<b>Density</b>	9.0867 lbs/gal		
<b>Volatile organic compounds (VOC) content</b>	0.1154 lbs/gal		
<b>Total volatiles weight percent</b>	1.27 %		
<b>Total volatiles volume percent</b>	1.52 %		
<b>Bulk density</b>	No information available		

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Heat. Exposure to air or moisture over prolonged periods.

#### **Incompatible materials**

Incompatible with strong acids and bases, Incompatible with oxidizing agents

#### **Hazardous decomposition products**

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### **Information on Likely Routes of Exposure**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin contact</b>	May cause burns. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	Can burn mouth, throat, and stomach.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
MODIFIED ALIPHATIC AMINE 1477-55-0	= 660 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	= 700 ppm ( Rat ) 1 h
MODIFIED ALIPHATIC AMINE 2855-13-2	= 1030 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
4-TERT-BUTYLPHENOL 98-54-4	= 4000 mg/kg ( Rat )	= 2318 mg/kg ( Rabbit )	-
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** May cause allergic skin reaction. Causes severe skin burns. May cause redness and tearing of the eyes. MAY CAUSE BLINDNESS. Coughing and/ or wheezing.

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

<b>Chronic Toxicity</b>	Avoid repeated exposure. Possible risks of irreversible effects. May cause adverse liver effects. Cancer hazard. Contains a known or suspected reproductive toxin.
<b>Sensitization</b>	May cause sensitization of susceptible persons.
<b>Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Not classifiable as a human carcinogen.
<b>Reproductive effects</b>	May damage fertility or the unborn child.
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Target organ effects</b>	Eyes, respiratory system, Skin, kidney, liver.
<b>Aspiration hazard</b>	No information available.

**Acute Toxicity** 3.05E-06 % of the mixture consists of ingredient(s) of unknown toxicity.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Toxic to aquatic life with long lasting effects

0.97152 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
MODIFIED ALIPHATIC AMINE 2855-13-2	37: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	110: 96 h <i>Leuciscus idus</i> mg/L LC50 semi-static	14.6 - 21.5: 48 h <i>Daphnia magna</i> mg/L EC50 semi-static 42: 24 h <i>Daphnia magna</i> mg/L EC50

4-TERT-BUTYLPHENOL 98-54-4	11.2: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	4.71 - 5.62: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 6.9: 96 h <i>Cyprinus carpio</i> mg/L LC50 static	3.4 - 4.5: 48 h <i>Daphnia magna</i> mg/L EC50 Static 3.9: 48 h <i>Daphnia magna</i> mg/L EC50
BENZYL ALCOHOL 100-51-6	35: 3 h <i>Anabaena variabilis</i> mg/L EC50	10: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 460: 96 h <i>Pimephales promelas</i> mg/L LC50 static	23: 48 h water flea mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in Environmental Media**

Chemical name	log Pow
MODIFIED ALIPHATIC AMINE 2855-13-2	0.79
4-TERT-BUTYLPHENOL 98-54-4	2.44
BENZYL ALCOHOL 100-51-6	1.1

**Other Adverse Effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal Methods**

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse container.

**14. TRANSPORT INFORMATION****DOT**

Proper Shipping Name

PAINT &amp; RELATED MATERIAL NOT REGULATED

**Additional information**

Call TNE MEC Traffic Department - 816-474-3400 for additional information or other modes of Transportation.

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

TSCA	Complies
DSL/NDSL	Does Not Comply
EINECS/ELINCS	Does Not Comply
ENCS	Does Not Comply
IECSC	Complies
KECL	Does Not Comply
PICCS	Complies
AICS	Does Not Comply

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 Commercial Chemical Substances/EU 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

**This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).**

**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 and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous**

**Categorization**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

The following chemicals are listed under the Clean Water Act:

**CERCLA**

**California Prop. 65**

**WARNING:** This product can expose you to the following chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical name	California Prop. 65
ETHANOL - 64-17-5	Carcinogen Developmental

**California SCAQMD Rule 443**

Does Not Contain Photochemically Reactive Solvent

**State Right-to-Know**

Chemical name	New Jersey	Massachusetts	Pennsylvania
MODIFIED ALIPHATIC AMINE 1477-55-0	X	X	X
MODIFIED ALIPHATIC AMINE 2855-13-2	X		
BENZYL ALCOHOL 100-51-6		X	X

**16. OTHER INFORMATION**

**NFPA** Health 3 Flammability 1 Instability 0 Physical hazard -  
**HMIS (Hazardous Material Information System)** Health 3 Flammability 1 Reactivity 0

*Chronic Hazard Star Legend*

\* = Chronic Health Hazard

**Prepared By** Tnemec Regulatory Dept: 816-474-3400  
**Revision Date** 26-Aug-2019  
**Revision Summary**  
 1 9 4 5 6 7 10 8 11 13 14 15 3

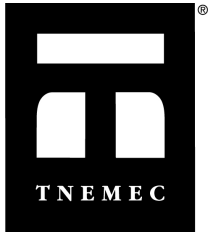
**Disclaimer**

**For specific information regarding occupational safety and health standards, please refer to the Code of Federal**

Regulations, Title 29, Part 1910.

To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

**End of SDS**



# Safety Data Sheet

Issue Date 02-Jul-2019

Revision Date 02-Jul-2019

Revision Number 4

## 1. IDENTIFICATION

### Product identifier

**Product Code** F469-0489C  
**Product Name** LAVACRETE AGGREGATE

### Other means of identification

**Common Name** SERIES 469/479/489, PART C  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** industrial paint.  
**Uses advised against** Consumer use, For professional use only. Not for residential use.

### Details of the supplier of the safety data sheet

**Manufacturer Address** Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372 816-474-3400  
**Distributor** Tnemec Company, Inc. 86 Boul, des Entreprises, Ste. 203, Boisbriand, Quebec Canada J7G 2T3

### Emergency telephone number

**Company Phone Number** Tnemec Regulatory Dept: 816-474-3400  
**24 Hour Emergency Phone Number** 800-535-5053 (Infotrac)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

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

Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1

### Label elements

#### EMERGENCY OVERVIEW

#### **Danger**

#### **Hazard statements**

May cause cancer  
Causes damage to organs through prolonged or repeated exposure



**Appearance** powder

**Physical state** powder

**Odor** No information available

**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  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product

**Response**

IF exposed or concerned: Get medical advice/attention

**Storage**

Store locked up  
 Keep away from children

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

May form combustible dust concentrations in air

**Other information**

Cancer hazard. Contains crystalline silica which can cause cancer. (Risk of cancer depends on duration and level of exposure).

Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs

SEE SAFETY DATA SHEET

Acute Toxicity 93.746695 % of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	60 - 100%

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>General advice</b>	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Remove affected individual to fresh air. Treat symptomatically. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Consult a physician.
<b>Ingestion</b>	Rinse mouth. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.
<b>Self-protection of the first aider</b>	Use personal protective equipment.

**Most important symptoms and effects, both acute and delayed**

**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** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating gases and vapours In the event of fire and/or explosion do not breathe fumes

**Hazardous combustion products** Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Methanol.

**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** Use personal protective equipment. Avoid dust formation. Evacuate personnel to safe areas. Avoid contact with eyes, skin and clothing. Remove all sources of ignition.

**Environmental Precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Fine dust dispersed in air may ignite. Avoid dust formation.

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

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Incompatible products** Hydrogen fluoride. Strong bases. Strong oxidizing agents. Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup>	50 mg/m <sup>3</sup>

**Legend**

NIOSH IDLH: *Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering measures** Sufficient ventilation, in volume and pattern, should be provided through both local and general exhaust to keep the air contaminant concentration below current applicable OSHA Permissible Exposure Limits (PEL) and ACGIH's Threshold Limit Values (TLV). Appropriate ventilation should be employed to remove hazardous decomposition products formed during welding or flame cutting operations of surfaces coated with this product. Provide readily accessible eye wash stations and safety showers.

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Chemical goggles or safety glasses with side-shields.
<b>Skin and body protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
<b>Respiratory protection</b>	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.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	powder	<b>Odor</b>	No information available
<b>Appearance</b>	powder	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	
<b>pH</b>		No data available	
<b>Melting point / freezing point</b>	No data available		
<b>Boiling point / boiling range</b>		No information available	
<b>Flash point</b>	No information available		
<b>Evaporation rate</b>		No data available	
<b>Flammability (solid, gas)</b>	No data available		
<b>Flammability Limit in Air</b>		No data available	
<b>Upper flammability limit</b>	NA		
<b>Lower flammability limit</b>	NA		
<b>Vapor pressure</b>		No data available	
<b>Vapor density</b>		No data available	
<b>Specific gravity</b>	2.525342	g/cm <sup>3</sup>	
<b>Water solubility</b>	Insoluble in water		
<b>Solubility in other solvents</b>		No data available	
<b>Partition coefficient: n-octanol/water</b>		No data available	
<b>Autoignition temperature</b>	No data available	No data available	
<b>Decomposition temperature</b>	No information available	No data available	
<b>Kinematic viscosity</b>	No information available	No data available	
<b>Dynamic viscosity</b>		No data available	
<b>Explosive properties</b>	May form combustible dust concentrations in air.		

**Other Information**

<b>Molecular weight</b>	No information available
<b>Density</b>	21.03611 lbs/gal

**Volatile organic compounds (VOC) content** 0 lbs/gal  
**Total volatiles weight percent** 0 %  
**Total volatiles volume percent** 0 %  
**Bulk density** No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**  
 No data available

**Chemical stability**  
 Stable under recommended storage conditions.

**Possibility of hazardous reactions**  
 May form combustible dust concentrations in air.

**Conditions to avoid**  
 Avoid dust formation.

**Incompatible materials**  
 Hydrogen fluoride, Strong bases, Strong oxidizing agents, Acids

**Hazardous decomposition products**  
 Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Methanol.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Inhalation** May cause irritation of respiratory tract. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.

**Eye contact** May cause irritation.

**Skin contact** May cause irritation.

**Ingestion** May be harmful if swallowed.

**Information on toxicological effects**

**Symptoms** Respiratory disorders.

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

**Chronic Toxicity** Cancer hazard. Contains crystalline silica which can cause cancer. (Risk of cancer depends on duration and level of exposure).

**Sensitization** No information available.

**Mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	A2	Group 1	Known	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  
 NTP: (National Toxicity Program)

*Known - Known Carcinogen*

*OSHA: (Occupational Safety & Health Administration)*

*X - Present*

<b>Reproductive effects</b>	No information available.
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure
<b>Target organ effects</b>	Lungs, respiratory system, Eyes.
<b>Aspiration hazard</b>	No information available.
<b>Acute Toxicity</b>	93.746695 % of the mixture consists of ingredient(s) of unknown toxicity.
<b>ATEmix (oral)</b>	5000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

None known

93.8849 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Mobility in Environmental Media

### Other Adverse Effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

### **Disposal Methods**

In accordance with local and national regulations.

### **Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse container.

## 14. TRANSPORT INFORMATION

### DOT

#### **Proper Shipping Name**

Paint related material NOT REGULATED

### Additional information

Call TNE MEC Traffic Department - 816-474-3400 for additional information or other modes of Transportation.

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	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 Commercial Chemical Substances/EU 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

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

**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 and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous**

**Categorization**

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

**California Prop. 65**

**WARNING:** This product can expose you to the following chemicals which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical name	California Prop. 65
CRYSTALLINE SILICA (QUARTZ) - 14808-60-7	Carcinogen

**California SCAQMD Rule 443**

Does Not Contain Photochemically Reactive Solvent

**State Right-to-Know**

Chemical name	New Jersey	Massachusetts	Pennsylvania
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	X	X	X

**16. OTHER INFORMATION**

<b>NFPA</b>	Health 1	Flammability 0	Instability 0	Physical hazard -
<b>HMIS (Hazardous Material Information System)</b>	Health 1*	Flammability 0	Reactivity 0	

Chronic Hazard Star Legend

\* = Chronic Health Hazard

Prepared By Tnemec Regulatory Dept: 816-474-3400  
 Revision Date 02-Jul-2019  
 Revision Summary 1 9 4 5 6 7 10 8 11 13 14 15 3

**Disclaimer**

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herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

**End of SDS**