



# SAFETY DATA SHEET

THE DOW CHEMICAL COMPANY

**Product name:** XIAMETER™ ACP-3183 Antifoam Compound

**Issue Date:** 08/29/2022

**Print Date:** 08/30/2022

THE DOW CHEMICAL COMPANY encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

## 1. IDENTIFICATION

**Product name:** XIAMETER™ ACP-3183 Antifoam Compound

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

**Identified uses:** Additives

### COMPANY IDENTIFICATION

THE DOW CHEMICAL COMPANY  
2211 H.H. DOW WAY  
MIDLAND MI 48674  
UNITED STATES

**Customer Information Number:**

800-258-2436  
SDSQuestion@dow.com

### EMERGENCY TELEPHONE NUMBER

**24-Hour Emergency Contact:** CHEMTREC +1 800-424-9300

**Local Emergency Contact:** 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Hazard classification

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

### Other hazards

No data available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature:** Silicone dispersion

This product is a mixture.

**Component**

**CASRN**

**Concentration**

|                                       |              |                        |
|---------------------------------------|--------------|------------------------|
| Polyethylene glycol octylphenyl ether | 9036-19-5    | >= 4.365 - <= 5.5 %    |
| Treated amorphous silica              | 2035064-87-8 | >= 2.255 - <= 3.15 %   |
| Ethylbenzene                          | 100-41-4     | >= 0.0639 - <= 0.103 % |

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## 4. FIRST AID MEASURES

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### Description of first aid measures

#### General advice:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air and keep comfortable for breathing; consult a physician.

**Skin contact:** Wash off with plenty of water.

**Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

**Ingestion:** Rinse mouth with water. No emergency medical treatment necessary.

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

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

#### Indication of any immediate medical attention and special treatment needed

**Notes to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## 5. FIREFIGHTING MEASURES

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### Extinguishing media

**Suitable extinguishing media:** Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray.

**Unsuitable extinguishing media:** None known..

### Special hazards arising from the substance or mixture

**Hazardous combustion products:** Carbon oxides. Silicon oxides. Formaldehyde.

**Unusual Fire and Explosion Hazards:** Exposure to combustion products may be a hazard to health..

#### **Advice for firefighters**

**Fire Fighting Procedures:** Use water spray to cool unopened containers.. Evacuate area.. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage..

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.. Use personal protective equipment..

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## **6. ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures:** Follow safe handling advice and personal protective equipment recommendations.

**Environmental precautions:** Do not release the product to the aquatic environment above defined regulatory levels. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:** Soak up with inert absorbent material. Clean up remaining materials from spill with suitable absorbant. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.  
See sections: 7, 8, 11, 12 and 13.

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## **7. HANDLING AND STORAGE**

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**Precautions for safe handling:** Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

**Conditions for safe storage:** Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents.  
Unsuitable materials for containers: None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

| Component                | Regulation                                                                                         | Type of listing | Value                                             |
|--------------------------|----------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------|
| Treated amorphous silica | OSHA Z-3                                                                                           | TWA Dust        | 20 Million particles per cubic foot, Silica       |
|                          | OSHA Z-3                                                                                           | TWA Dust        | 80 mg/m <sup>3</sup> / %SiO <sub>2</sub> , Silica |
|                          | OSHA CARC                                                                                          | PEL respirable  | 0.05 mg/m <sup>3</sup>                            |
|                          | Further information: OSHA specifically regulated carcinogen                                        |                 |                                                   |
| Ethylbenzene             | ACGIH                                                                                              | TWA             | 20 ppm                                            |
|                          | Further information: A3: Confirmed animal carcinogen with unknown relevance to humans; Ototoxicant |                 |                                                   |
|                          | OSHA Z-1                                                                                           | TWA             | 435 mg/m <sup>3</sup> 100 ppm                     |

### Biological occupational exposure limits

| Components   | CAS-No.  | Control parameters                             | Biological specimen | Sampling time                                            | Permissible concentration | Basis     |
|--------------|----------|------------------------------------------------|---------------------|----------------------------------------------------------|---------------------------|-----------|
| Ethylbenzene | 100-41-4 | Sum of mandelic acid and phenyl glyoxylic acid | Urine               | End of shift (As soon as possible after exposure ceases) | 0.15 g/g creatinine       | ACGIH BEI |

### Exposure controls

**Engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

### Individual protection measures

**Eye/face protection:** Use chemical goggles.

#### Skin protection

**Hand protection:** Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Wear clean, body-covering clothing.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as

respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

|                                        |                                                                              |
|----------------------------------------|------------------------------------------------------------------------------|
| Physical state                         | liquid                                                                       |
| Color                                  | off-white                                                                    |
| Odor                                   | aromatic                                                                     |
| Odor Threshold                         | No data available                                                            |
| pH                                     | No data available                                                            |
| Melting point/range                    | No data available                                                            |
| Freezing point                         | No data available                                                            |
| Boiling point (760 mmHg)               | > 100 °C ( > 212 °F)                                                         |
| Flash point                            | <b>closed cup</b> >101.1 °C ( 214.0 °F)                                      |
| Evaporation Rate (Butyl Acetate = 1)   | No data available                                                            |
| Flammability (solid, gas)              | Not applicable                                                               |
| Flammability (liquids)                 | Ignitable (see flash point)                                                  |
| Lower explosion limit                  | No data available                                                            |
| Upper explosion limit                  | No data available                                                            |
| Vapor Pressure                         | No data available                                                            |
| Relative Vapor Density (air = 1)       | No data available                                                            |
| Relative Density (water = 1)           | 1.0                                                                          |
| Water solubility                       | No data available                                                            |
| Partition coefficient: n-octanol/water | No data available                                                            |
| Auto-ignition temperature              | No data available                                                            |
| Decomposition temperature              | No data available                                                            |
| Kinematic Viscosity                    | 2800 cSt at 25 °C (77 °F)                                                    |
| Explosive properties                   | Not explosive                                                                |
| Oxidizing properties                   | The substance or mixture is not classified as oxidizing.                     |
| Molecular weight                       | No data available                                                            |
| Particle size                          | Not applicable                                                               |
| Surface tension                        | 23.3 dyn/cm 1024 F - SURFACE TENSION - WILHELMY PLATE - 0.5% SOLUTION AT 25C |

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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**Reactivity:** Not classified as a reactivity hazard.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Can react with strong oxidizing agents.

**Conditions to avoid:** None known.

**Incompatible materials:** Avoid contact with oxidizing materials.

**Hazardous decomposition products:**

Decomposition products can include and are not limited to: Aldehydes. Alcohols. Ethers. Organic acids. Formaldehyde. Ketones. Carbon oxides. Hydrocarbons.

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## 11. TOXICOLOGICAL INFORMATION

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*Toxicological information appears in this section when such data is available.*

**Information on likely routes of exposure**

Inhalation, Eye contact, Skin contact, Ingestion.

**Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)**

**Acute Toxicity Endpoints:**

Not classified based on available information.

**Acute oral toxicity**

**Information for the Product:**

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

Based on product testing:

LD50, Rat, > 10,000 mg/kg

**Information for components:**

**Polyethylene glycol octylphenyl ether**

Typical for this family of materials. LD50, Rat, 1,900 - 5,000 mg/kg

**Treated amorphous silica**

Single dose oral LD50 has not been determined.

Based on data from similar materials LD50, Rat, > 5,000 mg/kg

**Ethylbenzene**

LD50, Rat, 3,500 mg/kg

### Acute dermal toxicity

#### Information for the Product:

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

Based on information for component(s):  
LD50, Rabbit, > 2,000 mg/kg Estimated.

#### Information for components:

##### Polyethylene glycol octylphenyl ether

Typical for this family of materials. LD50, Rabbit, > 3,000 mg/kg

##### Treated amorphous silica

The dermal LD50 has not been determined.

##### Ethylbenzene

LD50, Rabbit, 15,500 mg/kg

### Acute inhalation toxicity

#### Information for the Product:

No adverse effects are anticipated from single exposure to mist. Mist may cause irritation of upper respiratory tract (nose and throat).

As product: The LC50 has not been determined.

#### Information for components:

##### Polyethylene glycol octylphenyl ether

The LC50 has not been determined.

##### Treated amorphous silica

The LC50 has not been determined.

##### Ethylbenzene

LC50, Rat, 4 Hour, vapour, 17.2 mg/l

### Skin corrosion/irritation

Not classified based on available information.

#### Information for the Product:

Based on product testing:  
Prolonged contact may cause slight skin irritation with local redness.

#### Information for components:

##### Polyethylene glycol octylphenyl ether

Brief contact is essentially nonirritating to skin.  
Prolonged contact may cause moderate skin irritation with local redness.  
Repeated contact may cause moderate skin irritation with local redness.

**Treated amorphous silica**

For similar material(s):  
Brief contact is essentially nonirritating to skin.

**Ethylbenzene**

Brief contact may cause moderate skin irritation with local redness.  
Prolonged contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.  
May cause drying and flaking of the skin.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Information for the Product:**

Based on product testing:  
May cause slight eye irritation.  
May cause slight corneal injury.

**Information for components:****Polyethylene glycol octylphenyl ether**

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.  
Mist may cause eye irritation.

**Treated amorphous silica**

For similar material(s):  
May cause slight temporary eye irritation.

**Ethylbenzene**

May cause moderate eye irritation.  
Vapor may cause lacrimation (tears).

**Sensitization****For skin sensitization:**

Not classified based on available information.

**For respiratory sensitization:**

Not classified based on available information.

**Information for the Product:**

Contains component(s) which did not cause allergic skin sensitization in guinea pigs.

For respiratory sensitization:  
No specific, relevant data available for assessment.

**Information for components:**

**Polyethylene glycol octylphenyl ether**

Did not cause allergic skin reactions when tested in humans.

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

**Treated amorphous silica**

For skin sensitization:

No relevant data found.

For respiratory sensitization:

No relevant data found.

**Ethylbenzene**

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Polyethylene glycol octylphenyl ether**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Treated amorphous silica**

Available data are inadequate to determine single exposure specific target organ toxicity.

**Ethylbenzene**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Aspiration Hazard**

Not classified based on available information.

**Information for the Product:**

Based on physical properties, not likely to be an aspiration hazard.

**Information for components:**

**Polyethylene glycol octylphenyl ether**

Based on physical properties, not likely to be an aspiration hazard.

**Treated amorphous silica**

Based on physical properties, not likely to be an aspiration hazard.

**Ethylbenzene**

Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage or even death due to chemical pneumonia. May be fatal if swallowed and enters airways.

**Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)**

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Polyethylene glycol octylphenyl ether**

No relevant data found.

**Treated amorphous silica**

No relevant data found.

**Ethylbenzene**

In animals, effects have been reported on the following organs:

May cause hearing loss based on animal data.

Kidney.

Liver.

Lung.

Although one early inhalation study on ethylbenzene reported an adverse effect on the testes, recent, more comprehensive studies have not shown this effect.

**Carcinogenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Polyethylene glycol octylphenyl ether**

No relevant data found.

**Treated amorphous silica**

No relevant data found.

**Ethylbenzene**

Ethylbenzene has been shown to cause cancer in laboratory animals. There is no evidence that these findings are relevant to humans.

**Carcinogenicity****Component****List****Classification****Ethylbenzene**

IARC

Group 2B: Possibly carcinogenic to humans

ACGIH

A3: Confirmed animal carcinogen with unknown relevance to humans.

**Teratogenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:****Polyethylene glycol octylphenyl ether**

Oral exposure in laboratory animals: Has been toxic to the fetus in laboratory animals at doses toxic to the mother. These effects were only observed at exaggerated doses. Did not cause birth defects in laboratory animals. Dermal exposure of laboratory animals has caused an increased incidence of a naturally-occurring developmental variation (extra lumbar rib) in fetuses at dose levels nontoxic to the mother.

**Treated amorphous silica**

No relevant data found.

**Ethylbenzene**

Has caused birth defects in laboratory animals only at doses toxic to the mother. Has been toxic to the fetus in lab animals at doses nontoxic to the mother.

**Reproductive toxicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:****Polyethylene glycol octylphenyl ether**

No relevant data found.

**Treated amorphous silica**

No relevant data found.

**Ethylbenzene**

In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

**Mutagenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:****Polyethylene glycol octylphenyl ether**

For this family of materials: In vitro genetic toxicity studies were negative.

**Treated amorphous silica**

Based on information for a similar material: In vitro genetic toxicity studies were negative.

**Ethylbenzene**

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

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**12. ECOLOGICAL INFORMATION**

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*Ecotoxicological information appears in this section when such data is available.*

**Toxicity****Polyethylene glycol octylphenyl ether****Acute toxicity to fish**

For this family of materials:

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).

For this family of materials:

LC50, Pimephales promelas (fathead minnow), static test, 96 Hour, 4 - 8.9 mg/l

**Acute toxicity to aquatic invertebrates**

For this family of materials:

EC50, Daphnia magna (Water flea), static test, 48 Hour, 18 - 26 mg/l

**Toxicity to bacteria**

For this family of materials:

IC50, Bacteria, static test, 16 Hour, 5,000 mg/l

**Treated amorphous silica****Acute toxicity to fish**

No relevant data found.

**Ethylbenzene****Acute toxicity to fish**

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).

LC50, Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour, 4.2 mg/l, OECD Test Guideline 203 or Equivalent

**Acute toxicity to aquatic invertebrates**

EC50, Daphnia magna (Water flea), Static, 48 Hour, 1.8 - 2.4 mg/l

**Acute toxicity to algae/aquatic plants**

EC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, Growth inhibition (cell density reduction), 3.6 - 4.6 mg/l, OECD Test Guideline 201 or Equivalent

**Toxicity to bacteria**

EC50, Bacteria, 16 Hour, > 12 mg/l

**Chronic toxicity to aquatic invertebrates**

NOEC, Ceriodaphnia dubia (water flea), semi-static test, 7 d, 0.96 mg/l

**Toxicity to soil-dwelling organisms**

LC50, Eisenia fetida (earthworms), 2 d, survival, 0.047 mg/cm<sup>2</sup>

**Persistence and degradability****Polyethylene glycol octylphenyl ether**

**Biodegradability:** For this family of materials: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

10-day Window: Not applicable

**Biodegradation:** > 60 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301B or Equivalent

**Theoretical Oxygen Demand:** 2.05 - 2.61 mg/mg Calculated.

**Chemical Oxygen Demand:** 1.71 - 2.18 mg/mg Dichromate

**Biological oxygen demand (BOD)**

| Incubation Time | BOD       |
|-----------------|-----------|
| 5 d             | 17 - 30 % |
| 10 d            | 25 - 40 % |
| 20 d            | 23 - 51 % |

**Treated amorphous silica**

**Biodegradability:** No relevant data found.

**Ethylbenzene**

**Biodegradability:** Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

10-day Window: Pass

**Biodegradation:** 100 %

**Exposure time:** 6 d

**Method:** OECD Test Guideline 301E or Equivalent

**Theoretical Oxygen Demand:** 3.17 mg/mg Estimated.

**Chemical Oxygen Demand:** 2.62 mg/mg Dichromate

**Biological oxygen demand (BOD)**

| Incubation Time | BOD    |
|-----------------|--------|
| 5 d             | 31.5 % |
| 10 d            | 38.5 % |
| 20 d            | 45.4 % |

**Photodegradation****Sensitization:** OH radicals**Atmospheric half-life:** 55 Hour**Method:** Estimated.**Bioaccumulative potential****Polyethylene glycol octylphenyl ether****Partition coefficient: n-octanol/water(log Pow):** 2.7 Estimated.**Bioconcentration factor (BCF):** 15 Fish Estimated.**Treated amorphous silica****Bioaccumulation:** No relevant data found.**Ethylbenzene****Bioaccumulation:** Bioconcentration potential is low (BCF < 100 or Log Pow < 3).**Partition coefficient: n-octanol/water(log Pow):** 3.15 Measured**Bioconcentration factor (BCF):** 15 Fish Measured**Mobility in soil****Polyethylene glycol octylphenyl ether**

No relevant data found.

**Treated amorphous silica**

No relevant data found.

**Ethylbenzene****Partition coefficient (Koc):** 518 Estimated.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal methods:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. For additional information, refer to:

Handling & Storage Information, MSDS Section 7 Stability & Reactivity Information, MSDS Section 10  
Regulatory Information, MSDS Section 15

**Treatment and disposal methods of used packaging:** Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

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## 14. TRANSPORT INFORMATION

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### DOT

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| Proper shipping name | Environmentally hazardous substance, liquid, n.o.s.(Xylene) |
| UN number            | UN 3082                                                     |
| Class                | 9                                                           |
| Packing group        | III                                                         |
| Reportable Quantity  | Xylene                                                      |

### Classification for SEA transport (IMO-IMDG):

|                                                                                      |                                                        |
|--------------------------------------------------------------------------------------|--------------------------------------------------------|
|                                                                                      | Not regulated for transport                            |
| Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code | Consult IMO regulations before transporting ocean bulk |

### Classification for AIR transport (IATA/ICAO):

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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## 15. REGULATORY INFORMATION

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### Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

No SARA Hazards

### Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

|              |          |
|--------------|----------|
| Components   | CASRN    |
| Ethylbenzene | 100-41-4 |

**Pennsylvania Right To Know**

The following chemicals are listed because of the additional requirements of Pennsylvania law:

**Components**

Poly(propylene glycol)  
 Siloxanes and silicones, dimethyl  
 Treated silica  
 Polyethylene glycol octylphenyl ether  
 Glycerol, propylene oxide, ethylene oxide polymer  
 Treated amorphous silica

**CASRN**

25322-69-4  
 63148-62-9  
 Trade secret  
 9036-19-5  
 9082-00-2  
 2035064-87-8

**California Prop. 65**

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

**United States TSCA Inventory (TSCA)**

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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**16. OTHER INFORMATION**


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**Hazard Rating System****NFPA**

| Health | Flammability | Instability |
|--------|--------------|-------------|
| 0      | 1            | 0           |

**HMIS**

| Health | Flammability | Physical Hazard |
|--------|--------------|-----------------|
| 0/     | 1            | 0               |

**Revision**

Identification Number: 4022038 / A001 / Issue Date: 08/29/2022 / Version: 8.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

|           |                                                                                  |
|-----------|----------------------------------------------------------------------------------|
| ACGIH     | USA. ACGIH Threshold Limit Values (TLV)                                          |
| ACGIH BEI | ACGIH - Biological Exposure Indices (BEI)                                        |
| OSHA CARC | OSHA Specifically Regulated Chemicals/Carcinogens                                |
| OSHA Z-1  | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| OSHA Z-3  | USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts               |
| PEL       | Permissible exposure limit (PEL)                                                 |
| TWA       | 8-hour, time-weighted average                                                    |

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### **Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

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