

## SAFETY DATA SHEET

### ACC30229E RED #231578

Version Number 1.11  
Revision Date 11/25/2025

Page 1 of 18  
Print Date 11/26/2025

## SAFETY DATA SHEET

### ACC30229E RED #231578

#### Section 1. Identification

**GHS product identifier** : ACC30229E RED #231578  
**Chemical name** : Mixture  
**CAS number** : Mixture  
**Other means of identification** : CC00018701  
**Product type** : solid

**Relevant identified uses of the substance or mixture and uses advised against**

**Product use** : Industrial applications.

**Supplier's details** : **AVIENT CORPORATION**  
 33587 Walker Road, Avon Lake, OH 44012  
 1 (440) 930-1000 or 1 (844) 4AVIENT

**Emergency telephone number (with hours of operation)** : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

#### Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

**GHS label elements**

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.

## SAFETY DATA SHEET

## ACC30229E RED #231578

Version Number 1.11

Page 2 of 18

Revision Date 11/25/2025

Print Date 11/26/2025

<b>Disposal</b>	:	Not applicable.
<b>Hazards not otherwise classified</b>	:	None known.
<b>Hazards identified when used</b>	:	No known significant effects or critical hazards.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	:	Mixture
<b>Chemical name</b>	:	ACC30229E RED #231578
<b>Other means of identification</b>	:	ACC30229E RED #231578

Ingredient name	Synonyms	%	Identifiers
Sulfuric acid, barium salt (1:1)	barium sulfate	>= 15 - <= 40	CAS: 7727-43-7
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazenyl]-4-methyl-, barium salt (2:1)	barium bis[2-chloro-5-[(2-hydroxy-1-naphthyl)azo]toluene-4-sulphonate]	>= 3 - <= 7	CAS: 5160-02-1
Titanium oxide	Titanium dioxide	>= 1 - <= 5	CAS: 13463-67-7
Octadecanoic acid, zinc salt (2:1)	zinc distearate	>= 1 - <= 5	CAS: 557-05-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

Description of necessary first aid measures

<b>Eye contact</b>	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Inhalation</b>	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical

## SAFETY DATA SHEET

### ACC30229E RED #231578

Version Number 1.11  
Revision Date 11/25/2025

Page 3 of 18  
Print Date 11/26/2025

personnel. Get medical attention if symptoms occur.

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

##### Potential acute health effects

<b>Eye contact</b>	:	No known significant effects or critical hazards.
<b>Inhalation</b>	:	No known significant effects or critical hazards.
<b>Skin contact</b>	:	No known significant effects or critical hazards.
<b>Ingestion</b>	:	No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

<b>Eye contact</b>	:	No specific data.
<b>Inhalation</b>	:	No specific data.
<b>Skin contact</b>	:	No specific data.
<b>Ingestion</b>	:	No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	:	No specific treatment.
<b>Protection of first-aiders</b>	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

##### Extinguishing media

<b>Suitable extinguishing media</b>	:	In case of fire, use water spray (fog), foam, dry chemical or CO <sub>2</sub> .
<b>Unsuitable extinguishing media</b>	:	None known.

##### Specific hazards arising from the chemical

<b>Hazardous thermal decomposition products</b>	:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides
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##### Special protective actions for fire-fighters

<b>Special protective actions for fire-fighters</b>	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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## SAFETY DATA SHEET

### ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 4 of 18  
 Print Date 11/26/2025

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area,

## SAFETY DATA SHEET

**ACC30229E RED #231578**

Version Number 1.11  
 Revision Date 11/25/2025

Page 5 of 18  
 Print Date 11/26/2025

away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Sulfuric acid, barium salt (1:1)	<p><b>CAL OSHA PEL (2018-05-16). [barium sulfate]</b>            TWA 8 hours: 5 mg/m<sup>3</sup> Form: Respirable fraction            TWA 8 hours: 10 mg/m<sup>3</sup> Form: Total dust</p> <p><b>ACGIH TLV (2014-04-15). [Barium sulfate]</b>            TWA 8 hours: 5 mg/m<sup>3</sup> Form: Inhalable fraction</p> <p><b>NIOSH REL (1994-06-01). [BARIUM SULFATE]</b>            TWA 10 hours: 5 mg/m<sup>3</sup> Form: Respirable fraction            TWA 10 hours: 10 mg/m<sup>3</sup> Form: Total</p> <p><b>OSHA PEL 1989 (1989-03-01). [Barium sulfate]</b>            TWA 8 hours: 5 mg/m<sup>3</sup> Form: Respirable fraction            TWA 8 hours: 10 mg/m<sup>3</sup> Form: Total dust</p> <p><b>OSHA PEL (1993-06-30). [Barium sulfate]</b>            TWA 8 hours: 5 mg/m<sup>3</sup> Form: Respirable fraction            TWA 8 hours: 15 mg/m<sup>3</sup> Form: Total dust</p>
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazaryl]-4-methyl-, barium salt (2:1)	<p><b>OARS WEEL (2008-01-01). [Benzenesulfonic acid, 5-chloro-2((2-Hydroxy-1-naphthalenyl)-azo)-4-methyl, barium salt (2:1)]</b>            TWA 8 hours: 1 mg/m<sup>3</sup></p>
Titanium oxide	<p><b>CAL OSHA PEL (2018-05-16). [titanium dioxide as Ti]</b>            TWA 8 hours: 10 mg/m<sup>3</sup> (as Ti) Form: Total dust            TWA 8 hours: 5 mg/m<sup>3</sup> (as Ti) Form: Respirable fraction</p> <p><b>ACGIH TLV (2022-01-06). [titanium dioxide finescale particles] A3.</b>            TWA 8 hours: 2.5 mg/m<sup>3</sup> Form: respirable fraction, finescale particles</p> <p><b>ACGIH TLV (2022-01-06). [titanium dioxide nanoscale particles] A3.</b>            TWA 8 hours: 0.2 mg/m<sup>3</sup> Form: respirable fraction, nanoscale particles</p>

## SAFETY DATA SHEET

## ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 6 of 18  
 Print Date 11/26/2025

	<p><b>OSHA PEL 1989 (1989-03-01). [Titanium dioxide]</b>        TWA 8 hours: 10 mg/m<sup>3</sup> Form: Total dust</p> <p><b>OSHA PEL (1993-06-30). [Titanium dioxide]</b>        TWA 8 hours: 15 mg/m<sup>3</sup> Form: Total dust</p>
Octadecanoic acid, zinc salt (2:1)	<p><b>NIOSH REL (2010-09-01). [ZINC STEARATE]</b>        TWA 10 hours: 5 mg/m<sup>3</sup> Form: Respirable fraction</p> <p>TWA 10 hours: 10 mg/m<sup>3</sup> Form: Total</p> <p><b>OSHA PEL 1989 (1989-03-01). [Zinc stearate]</b>        TWA 8 hours: 5 mg/m<sup>3</sup> Form: Respirable fraction</p> <p>TWA 8 hours: 10 mg/m<sup>3</sup> Form: Total dust</p> <p><b>OSHA PEL (1993-06-30). [Zinc stearate]</b>        TWA 8 hours: 5 mg/m<sup>3</sup> Form: Respirable fraction</p> <p>TWA 8 hours: 15 mg/m<sup>3</sup> Form: Total dust</p> <p><b>CAL OSHA PEL (2018-05-16). [stearates]</b>        TWA 8 hours: 10 mg/m<sup>3</sup></p> <p><b>ACGIH TLV (2017-03-01). [Stearates] A4.</b>        TWA 8 hours: 10 mg/m<sup>3</sup> Form: Inhalable fraction</p> <p>TWA 8 hours: 3 mg/m<sup>3</sup> Form: Respirable fraction</p>

**Biological exposure indices**

No exposure indices known.

**Appropriate engineering controls**

- Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls**

- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures****Hygiene measures**

- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

- Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

## SAFETY DATA SHEET

## ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 7 of 18  
 Print Date 11/26/2025

Skin protection**Hand protection**

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection**

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection**

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**

- : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Section 9. Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

<b>Physical state</b>	: solid [Pellets.]
<b>Color</b>	: RED
<b>Odor</b>	: Faint odor.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: Not available.
<b>Melting point/freezing point</b>	: Not available.
<b>Boiling point or initial boiling point and boiling range</b>	: Not available.
<b>Flash point</b>	: Not applicable.
<b>Evaporation rate</b>	: Not available.
<b>Flammability</b>	: Not available.
<b>Lower and upper explosion limit/flammability limit</b>	: <b>Lower:</b> Not applicable. <b>Upper:</b> Not applicable.
<b>Vapor pressure</b>	: Not available.
<b>Relative vapor density</b>	: Not applicable.
<b>Relative density</b>	: Not available.
<b>Solubility in water</b>	: insoluble in water.

## SAFETY DATA SHEET

## ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 8 of 18  
 Print Date 11/26/2025

<b>Partition coefficient: n-octanol/water</b>	:	Not applicable.
<b>Auto-ignition temperature</b>	:	Not applicable.
<b>Decomposition temperature</b>	:	Not available.
<b>Viscosity</b>	:	<b>Dynamic</b> : Not available. <b>Kinematic</b> : Not applicable.

Particle characteristics

<b>Median particle size</b>	:	Not available.
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**Section 10. Stability and reactivity**

<b>Reactivity</b>	:	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	:	Stable under recommended storage and handling conditions (see Section 7).
<b>Possibility of hazardous reactions</b>	:	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	:	Keep away from extreme heat and oxidizing agents.
<b>Incompatible materials</b>	:	Keep away from strong acids. Oxidizer.
<b>Hazardous decomposition products</b>	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological information**Information on toxicological effectsAcute toxicity

Product/ingredient name	Result
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazaryl]-4-methyl-, barium salt (2:1)	<b>Rat - Oral - LD50</b> 10,000 mg/kg
Titanium oxide	<b>Rabbit - Dermal - LD50</b>

**SAFETY DATA SHEET****ACC30229E RED #231578**

Version Number 1.11  
 Revision Date 11/25/2025

Page 9 of 18  
 Print Date 11/26/2025

	<p>&gt; 5,000 mg/kg</p> <p><b>Rat - Male - Inhalation - LC50 Dusts and mists</b>    6.82 Mg/l [4 h]</p>
Octadecanoic acid, zinc salt (2:1)	<p><b>Rat - Oral - LD50</b>    10,000 mg/kg</p>

**Conclusion/Summary** : Mixture. Not fully tested.

**Skin corrosion/irritation**

**Conclusion/Summary** : Mixture. Not fully tested.

**Serious eye damage/eye irritation**

**Conclusion/Summary** : Mixture. Not fully tested.

**Respiratory corrosion/irritation**

**Conclusion/Summary** : Mixture. Not fully tested.

**Respiratory or skin sensitization****Skin**

**Conclusion/Summary** : Mixture. Not fully tested.

**Respiratory**

**Conclusion/Summary** : Mixture. Not fully tested.

**Germ cell mutagenicity**

**Conclusion/Summary** : Mixture. Not fully tested.

**Carcinogenicity**

**Conclusion/Summary** : Mixture. Not fully tested.

## SAFETY DATA SHEET

**ACC30229E RED #231578**

Version Number 1.11  
 Revision Date 11/25/2025

Page 10 of 18  
 Print Date 11/26/2025

**Classification**

Product/ingredient name	OSHA	IARC	NTP
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazenyl]-4-methyl-, barium salt (2:1)	-	3	-
Titanium oxide	-	2B	-
Octadecanoic acid, zinc salt (2:1)	-	-	-

**Reproductive toxicity**

**Conclusion/Summary** : Mixture. Not fully tested.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure**

Not available.

**Potential acute health effects**

<b>Eye contact</b>	:	No known significant effects or critical hazards.
<b>Inhalation</b>	:	No known significant effects or critical hazards.
<b>Skin contact</b>	:	No known significant effects or critical hazards.
<b>Ingestion</b>	:	No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Eye contact</b>	:	No specific data.
<b>Inhalation</b>	:	No specific data.
<b>Skin contact</b>	:	No specific data.
<b>Ingestion</b>	:	No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

## SAFETY DATA SHEET

## ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 11 of 18  
 Print Date 11/26/2025

**Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**Conclusion/Summary** : Mixture. Not fully tested.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

**Numerical measures of toxicity****Acute toxicity estimates**

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazenyl]-4-methyl-, barium salt (2:1)	10000 mg/kg	N/A	N/A	N/A	N/A
Titanium oxide	N/A	N/A	N/A	N/A	6.82 Mg/l
Octadecanoic acid, zinc salt (2:1)	10000 mg/kg	N/A	N/A	N/A	N/A

**Section 12. Ecological information****Toxicity**

## SAFETY DATA SHEET

## ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 12 of 18  
 Print Date 11/26/2025

Product/ingredient name	Result
ACC30229E RED #231578	<b>Remarks:</b> Chemicals are not readily available as they are bound within the polymer matrix.
Sulfuric acid, barium salt (1:1)	<b>Acute EC50 Fresh water</b> Crustaceans - <i>Cypris subglobosa</i> 634 Mg/l [48 h] <b>Acute EC50 Fresh water</b> Daphnia - <i>Daphnia magna</i> 32 Mg/l [48 h]
Titanium oxide	<b>Acute LC50 Marine water</b> Fish - <i>Fundulus heteroclitus</i> > 1,000 Mg/l [96 h] <b>Acute LC50 Fresh water</b> Crustaceans - <i>Ceriodaphnia dubia</i> 3 Mg/l [48 h] <b>Acute LC50 Fresh water</b> Daphnia - <i>Daphnia pulex</i> 6.5 Mg/l [48 h]

**Conclusion/Summary** : Not available.

Persistence and degradability

Not available.

**Conclusion/Summary** : Chemicals are not readily available as they are bound within the polymer matrix.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazenyl]-4-methyl-, barium salt (2:1)	-0.49	6.90	Low
Octadecanoic acid, zinc salt (2:1)	1.2	-	Low

Mobility in soil

**Soil/Water partition coefficient** : Not available.  
**Mobility** : Chemicals are not readily available as they are bound within the polymer matrix.

Other adverse effects

## SAFETY DATA SHEET

### ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 13 of 18  
 Print Date 11/26/2025

No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods**

- : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

U.S.DOT 49CFR	:	Not regulated for transportation.
Ground/Air/Water		
IATA	:	Not classified as dangerous goods under transport regulations.
IMDG	:	Not classified as dangerous goods under transport regulations.

## Section 15. Regulatory information

### U.S. Federal regulations

**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined

### TSCA 12(b) - Chemical export notification

Clean Air Act Section 112(b)	:	Not listed
Hazardous Air Pollutants (HAPs)		
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class	:	Not listed

## SAFETY DATA SHEET

**ACC30229E RED #231578**

Version Number 1.11

Page 14 of 18

Revision Date 11/25/2025

Print Date 11/26/2025

**II Substances****DEA List I Chemicals (Precursor** : Not listed**Chemicals)****DEA List II Chemicals (Essential** : Not listed**Chemicals)****SARA 302/304****Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.**SARA 311/312****Classification** : Not applicable.**Composition/information on ingredients**

No products were found.

**SARA 313****Form R - Reporting requirements**

<b>Product name</b>	<b>CAS number</b>	<b>%</b>
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazaryl]-4-methyl-, barium salt (2:1)	5160-02-1	>= 3 - <= 7
Octadecanoic acid, zinc salt (2:1)	557-05-1	>= 1 - <= 5

**Supplier notification**

<b>Product name</b>	<b>CAS number</b>	<b>%</b>
Benzenesulfonic acid, 5-chloro-2-[2-(2-hydroxy-1-naphthalenyl)diazaryl]-4-methyl-, barium salt (2:1)	5160-02-1	>= 3 - <= 7
Octadecanoic acid, zinc salt (2:1)	557-05-1	>= 1 - <= 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations****Massachusetts** : The following components are listed:

## SAFETY DATA SHEET

**ACC30229E RED #231578**

Version Number 1.11  
 Revision Date 11/25/2025

Page 15 of 18  
 Print Date 11/26/2025

Sulfuric acid, barium salt (1:1)  
 Titanium oxide  
 Octadecanoic acid, zinc salt (2:1)

**New York** : None of the components are listed.

**New Jersey** : The following components are listed:  
 BARIUM SULFATE  
 BARIUM COMPOUNDS  
 TITANIUM DIOXIDE  
 ZINC STEARATE

**Pennsylvania** : The following components are listed:  
 BARIUM SULFATE  
 BARIUM COMPOUNDS  
 TITANIUM OXIDE  
 OCTADECANOIC ACID, ZINC SALT

**California Prop. 65**

**⚠ WARNING:** This product can expose you to chemicals including Benzenesulfonic acid, 5-chloro-2-[(2-hydroxy-1-naphthalenyl)azo]-4-methyl-, barium salt (2:1), Titanium dioxide, 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).

Ingredient name	No significant risk level	Maximum acceptable dosage level
Benzenesulfonic acid, 5-chloro-2-[(2-hydroxy-1-naphthalenyl)azo]-4-methyl-, barium salt (2:1)	Yes.	-
Titanium dioxide	-	-

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals****Chemical Weapons Convention List Schedule I Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule II Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule III Chemicals**

None of the components are listed.

**SAFETY DATA SHEET****ACC30229E RED #231578**

Version Number 1.11  
Revision Date 11/25/2025

Page 16 of 18  
Print Date 11/26/2025

**Montreal Protocol**

None of the components are listed.

**Stockholm Convention on Persistent Organic Pollutants****Annex A - Elimination - Production**

None of the components are listed.

**Annex A - Elimination - Use**

None of the components are listed.

**Annex B - Restriction - Production**

None of the components are listed.

**Annex B - Restriction - Use**

None of the components are listed.

**Annex C - Unintentional - Production**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC)****Rotterdam Convention on Prior Informed Consent (PIC) - Industrial**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) - Severely hazardous pesticide**

None of the components are listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals****Heavy metals - Annex 1**

None of the components are listed.

**POPs - Annex 1 - Production**

None of the components are listed.

**POPs - Annex 1 - Use**

None of the components are listed.

**POPs - Annex 2**

None of the components are listed.

**POPs - Annex 3**

## SAFETY DATA SHEET

**ACC30229E RED #231578**

Version Number 1.11  
 Revision Date 11/25/2025

Page 17 of 18  
 Print Date 11/26/2025

None of the components are listed.

**Inventory list**

<b>Australia</b>	:	All components are listed or exempted.
<b>Canada</b>	:	All components are listed or exempted.
<b>China</b>	:	All components are listed or exempted.
<b>Eurasian Economic Union</b>	:	<b>Russian Federation inventory:</b> All components are listed or exempted.
<b>Japan</b>	:	<b>Japan inventory (CSCL):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	:	All components are listed or exempted.
<b>Philippines</b>	:	All components are listed or exempted.
<b>Republic of Korea</b>	:	All components are listed or exempted.
<b>Taiwan</b>	:	All components are listed or exempted. All components are listed or exempted.
<b>Thailand</b>	:	Not determined.
<b>Turkey</b>	:	All components are listed or exempted.
<b>United States</b>	:	All components are active or exempted.
<b>Viet Nam</b>	:	All components are listed or exempted.

**Section 16. Other information****Hazardous Material Information System (U.S.A.)**

<b>Health</b>	/	0
<b>Flammability</b>		0
<b>Physical hazards</b>		0

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The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

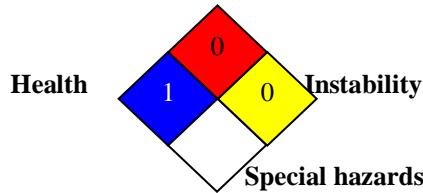
**National Fire Protection Association (U.S.A.)****Flammability**

## SAFETY DATA SHEET

## ACC30229E RED #231578

Version Number 1.11  
 Revision Date 11/25/2025

Page 18 of 18  
 Print Date 11/26/2025

Procedure used to derive the classification

Not classified.

History

<b>Date of printing</b>	:	11/26/2025
<b>Date of issue/Date of revision</b>	:	11/25/2025
<b>Date of previous issue</b>	:	10/15/2024
<b>Version</b>	:	1.11
<b>Prepared by</b>	:	ELLIOTT
<b>Key to abbreviations</b>	:	<p>ATE = Acute Toxicity Estimate        BCF = Bioconcentration Factor        DOT = Department of Transportation        GHS = Globally Harmonized System of Classification and Labelling of Chemicals        IATA = International Air Transport Association        IBC = Intermediate Bulk Container        IMDG = International Maritime Dangerous Goods        IMO = International Maritime Organization        LogPow = logarithm of the octanol/water partition coefficient        MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)        N/A = Not available        SGG = Segregation Group        TDG = Transportation of Dangerous Goods        UN = United Nations</p>
<b>References</b>	:	Not available.

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