

SAFETY DATA SHEET

XMK57394 SGTF DOTP GRAY MB #8238 21%

Version Number 1.6

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SAFETY DATA SHEET**XMK57394 SGTF DOTP GRAY MB #8238 21%****Section 1. Identification**

GHS product identifier : XMK57394 SGTF DOTP GRAY MB #8238 21%
Chemical name : Mixture
CAS number : Mixture
Other means of identification : FO20032361
Product type : liquid

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

Product use : Industrial applications. Plastics.

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 : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : ACUTE TOXICITY (inhalation) - Category 4
 EYE IRRITATION - Category 2B
 CARCINOGENICITY - Category 1B

GHS label elements

Hazard pictograms : 

Signal word : Danger
Hazard statements : Causes eye irritation.
 Harmful if inhaled.
 May cause cancer.

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Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash thoroughly after handling.

Response : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor 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 or attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Chemical name : XMK57394 SGTF DOTP GRAY MB #8238 21%
Other means of identification : XMK57394 SGTF DOTP GRAY MB #8238 21%

Ingredient name	Synonyms	%	Identifiers
Antimony oxide (Sb ₂ O ₃)	Diantimony trioxide	>= 10 - <= 30	CAS: 1309-64-4
Aluminum	Aluminium powder (pyrophoric)	>= 5 - <= 10	CAS: 7429-90-5
1,2-Benzenedicarboxylic acid, di-C ₈ -10-branched alkyl esters, C ₉ -rich	1,2-Benzenedicarboxylic acid, di-C ₈ -10-branched alkyl esters, C ₉ -rich	>= 3 - <= 7	CAS: 68515-48-0
Carbon black	carbon black non-respirable	>= 1 - <= 5	CAS: 1333-86-4
Naphtha (petroleum), hydrotreated heavy	Naphtha (petroleum), hydrotreated heavy	>= 1 - <= 4.9	CAS: 64742-48-9

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.

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Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes eye irritation.
- Inhalation** : Harmful if inhaled.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

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Eye contact	:	Adverse symptoms may include the following: irritation, watering, redness
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

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

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides
Special protective actions for fire-fighters	:	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.
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

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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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage**Precautions for safe handling**

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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

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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, away from incompatible materials (see Section 10) and food and drink. Store in a well-ventilated place. 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 parametersOccupational exposure limits

Ingredient name	Exposure limits
Antimony oxide (Sb ₂ O ₃)	<p>ACGIH TLV (2021-01-07). [antimony trioxide] A2. TWA 8 hours: 0.02 mg/m³ Form: Inhalable fraction</p> <p>OSHA PEL (1993-06-30). [Antimony and compounds (as Sb)] TWA 8 hours: 0.5 mg/m³ (as Sb)</p> <p>NIOSH REL (2010-09-01). [antimony] TWA 10 hours: 0.5 mg/m³</p> <p>CAL OSHA PEL (2018-05-16). [antimony and compounds as Sb] TWA 8 hours: 0.5 mg/m³ (as Sb)</p> <p>OSHA PEL 1989 (1989-03-01). [Antimony and compounds (as Sb)] TWA 8 hours: 0.5 mg/m³ (as Sb)</p> <p>ACGIH TLV (1994-09-01). [Antimony and compounds as Sb] TWA 8 hours: 0.5 mg/m³ (as Sb)</p>
Aluminum	<p>CAL OSHA PEL (2018-05-16). [aluminum pyro powders] TWA 8 hours: 5 mg/m³ Form: powder</p> <p>NIOSH REL (2010-09-01). [ALUMINUM] TWA 10 hours: 5 mg/m³ Form: Respirable fraction</p> <p>TWA 10 hours: 10 mg/m³ Form: Total</p> <p>OSHA PEL 1989 (1989-03-01). [Aluminum, (as Al) Metal] TWA 8 hours: 5 mg/m³ (Calculated as Al) Form: WELD_FUM</p> <p>TWA 8 hours: 5 mg/m³ (Calculated as Al) Form: PYRO</p> <p>TWA 8 hours: 5 mg/m³ (Calculated as Al) Form: Respirable fraction</p> <p>TWA 8 hours: 15 mg/m³ (Calculated as Al) Form: Dust</p> <p>OSHA PEL (1993-06-30). [Aluminum Metal (as Al)]</p>

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	<p>TWA 8 hours: 5 mg/m³ (Calculated as Al) Form: Respirable fraction</p> <p>TWA 8 hours: 15 mg/m³ (Calculated as Al) Form: Total dust</p> <p>NIOSH REL (2010-09-01). [aluminum pyro powders and welding fumes as Al]</p> <p>TWA 10 hours: 5 mg/m³ (Calculated as Al) Form: PYRO POWDERS AND WELDING FUMES</p> <p>CAL OSHA PEL (2018-05-16). [aluminum metal and oxide]</p> <p>TWA 8 hours: 10 mg/m³ Form: Total dust</p> <p>TWA 8 hours: 5 mg/m³ Form: Respirable fraction</p> <p>ACGIH TLV (2008-01-01). [Aluminum, metal and insoluble compounds] A4.</p> <p>TWA 8 hours: 1 mg/m³ Form: Respirable fraction</p>
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	None.
Carbon black	<p>CAL OSHA PEL (2018-05-16). [carbon black]</p> <p>TWA 8 hours: 3.5 mg/m³</p> <p>ACGIH TLV (2010-12-06). [Carbon black] A3.</p> <p>TWA 8 hours: 3 mg/m³ Form: Inhalable fraction</p> <p>NIOSH REL (2010-09-01). [carbon black] See Appendix A - NIOSH Potential Occupational Carcinogen.</p> <p>TWA 10 hours: 0.1 mg/m³ (as cyclohexane-extractable fraction)</p> <p>TWA 10 hours: 3.5 mg/m³</p> <p>OSHA PEL 1989 (1989-03-01). [Carbon black]</p> <p>TWA 8 hours: 3.5 mg/m³</p> <p>OSHA PEL (1993-06-30). [Carbon black]</p> <p>TWA 8 hours: 3.5 mg/m³</p>
Naphtha (petroleum), hydrotreated heavy	None.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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

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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: chemical splash goggles.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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

Physical state	: liquid [liquid]
Color	: GREY
Odor	: Not available.

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Odor threshold	:	Not available.
pH	:	Not available.
Melting point/freezing point	:	Not available.
Boiling point or initial boiling point and boiling range	:	Not available.
Flash point	:	Not available.
Evaporation rate	:	Not available.
Flammability	:	Not available.
Lower and upper explosion limit/flammability limit	:	Lower: Not available. Upper: Not available.
Vapor pressure	:	Not available.
Relative vapor density	:	Not available.
Relative density	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not applicable.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Dynamic : Not available. Kinematic : Not available.

Particle characteristics

Median particle size	:	Not applicable.
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Section 10. Stability and reactivity

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

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Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Antimony oxide (Sb ₂ O ₃)	Rat - Oral - LD50 34,000 mg/kg
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	Rat - Oral - LD50 10,000 mg/kg
Naphtha (petroleum), hydrotreated heavy	Rat - Oral - LD50 6,000 mg/kg Rat - Inhalation - LC50 Vapor 8.5 Mg/l [4 h]
Carbon black	Rat - Oral - LD50 15,400 mg/kg

Conclusion/Summary : Mixture. Not fully tested.

Skin corrosion/irritation

Conclusion/Summary : Mixture. Not fully tested.

Serious eye damage/eye irritation

Product/ingredient name	Result
Antimony oxide (Sb ₂ O ₃)	Rabbit - Eyes - Mild irritant
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	Rabbit - Eyes - Mild irritant

Conclusion/Summary : Mixture. Not fully tested.

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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.

Classification

Product/ingredient name	OSHA	IARC	NTP
Antimony oxide (Sb ₂ O ₃)	-	2A	Reasonably anticipated to be a human carcinogen.
Aluminum	-	-	-
Carbon black	-	2B	-

Reproductive toxicity

Conclusion/Summary : Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

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Aspiration hazard

Product/ingredient name	Result
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact	:	Causes eye irritation.
Inhalation	:	Harmful if inhaled.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Adverse symptoms may include the following: irritation, watering, redness
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure**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	:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	No known significant effects or critical hazards.

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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)
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Antimony oxide (Sb ₂ O ₃)	34000 mg/kg	N/A	N/A	N/A	N/A
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	10000 mg/kg	N/A	N/A	N/A	N/A
Naphtha (petroleum), hydrotreated heavy	6000 mg/kg	N/A	N/A	8.5 Mg/l	N/A
Carbon black	15400 mg/kg	N/A	N/A	N/A	N/A

Section 12. Ecological information**Toxicity**

Product/ingredient name	Result
Antimony oxide (Sb ₂ O ₃)	Acute LC50 Fresh water Fish - <i>Lepomis macrochirus</i> > 530 Mg/l [96 h] Acute EC50 Fresh water Crustaceans - <i>Cypris subglobosa</i> 560 Mg/l [48 h] Acute EC50 Fresh water Daphnia - <i>Daphnia magna</i> 3.01 Mg/l [48 h]
Aluminum	Acute LC50 Fresh water Fish - <i>Oncorhynchus mykiss</i> 0.12 Mg/l [96 h] Acute LC50 Fresh water Daphnia - <i>Daphnia magna</i> 38 Mg/l [48 h]

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	Chronic NOEC Fresh water Aquatic plants - <i>Ceratophyllum demersum</i> 9 Mg/l [72 h]
Carbon black	Acute EC50 Fresh water Daphnia - <i>Daphnia magna</i> 37.563 Mg/l [48 h]

Conclusion/Summary : Not available.

Persistence and degradability

Not available.

Conclusion/Summary : Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	8.8	3.00	Low
Naphtha (petroleum), hydrotreated heavy	-	10.00 - 2,500.00	High

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

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

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disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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 Ground/Air/Water	: Not regulated for transportation.
IATA	: Consult mode specific transport rules
IMDG	: Consult mode specific transport rules

Section 15. Regulatory information

U.S. Federal regulations

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

TSCA 8(a) - Preliminary assessment report (PAIR): Acetaldehyde;
Department of commerce - Precursor chemical: triethanolamineEthanol, 2,2',2"-nitrilotris-;

TSCA 12(b) - Chemical export notification

Clean Air Act Section 112(b)	: Listed
Hazardous Air Pollutants (HAPs)	
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302/304
ETHYLENE OXIDE	> 0 - < 0.1	Yes.	SARA 304 RQ: 10 lb(s)

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			SARA 302 TPQ: 1,000 lb(s)
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SARA 304 RQ : 1,666,666.7 lbs

SARA 311/312

Classification : ACUTE TOXICITY - inhalation - Category 4
 EYE IRRITATION - Category 2B
 CARCINOGENICITY - Category 1B

Composition/information on ingredients

Name	%	Classification
Antimony oxide (Sb ₂ O ₃)	>= 10 - <= 30	EYE IRRITATION - Category 2B CARCINOGENICITY - Category 1B
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	>= 3 - <= 7	EYE IRRITATION - Category 2B
Naphtha (petroleum), hydrotreated heavy	>= 1 - <= 4.9	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY - inhalation - Category 3 ASPIRATION HAZARD - Category 1

SARA 313**Form R - Reporting requirements**

Product name	CAS number	%
Zinc sulfide (ZnS)	1314-98-3	>= 15 - <= 40
Antimony oxide (Sb ₂ O ₃)	1309-64-4	>= 10 - <= 30
Aluminum	7429-90-5	>= 5 - <= 10
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	68515-48-0	>= 3 - <= 7
Lead	7439-92-1	> 0 - <= 0.1

Supplier notification

Product name	CAS number	%

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Zinc sulfide (ZnS)	1314-98-3	>= 15 - <= 40
Antimony oxide (Sb ₂ O ₃)	1309-64-4	>= 10 - <= 30
Aluminum	7429-90-5	>= 5 - <= 10
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	68515-48-0	>= 3 - <= 7
Lead	7439-92-1	> 0 - <= 0.1

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:
 - Antimony oxide (Sb₂O₃)
 - Aluminum
 - Carbon black

New York

- : The following components are listed:
 - Antimony trioxide

New Jersey

- : The following components are listed:
 - ZINC compounds
 - ANTIMONY TRIOXIDE
 - ALUMINUM
 - CARBON BLACK

Pennsylvania

- : The following components are listed:
 - ZINC COMPOUNDS
 - ANTIMONY OXIDE
 - ALUMINUM DUSTALUMINUM PYRO
 - POWDERSALUMINUMALUMINUM WELDING
 - FUMESALUMINUM PRODUCTION
 - CARBON BLACK

California Prop. 65

⚠ WARNING: This product can expose you to chemicals including Antimony trioxide, 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich, Carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Antimony trioxide	Yes.	-
1,2-Benzenedicarboxylic acid, di-C8-10-	Yes.	-

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branched alkyl esters, C9-rich		
Carbon black	-	-

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.

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.

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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

None of the components are listed.

Inventory list

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

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

Health	*	2
Flammability		0
Physical hazards		0

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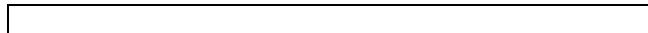
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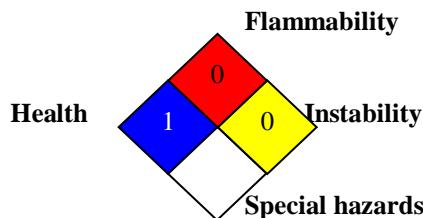
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Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

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.)**Procedure used to derive the classification**

Classification	Justification
ACUTE TOXICITY (inhalation) - Category 4	Calculation method
EYE IRRITATION - Category 2B	Calculation method
CARCINOGENICITY - Category 1B	Calculation method

History

Date of printing	:	12/20/2025
Date of issue/Date of revision	:	12/19/2025
Date of previous issue	:	12/05/2023
Version	:	1.6
Prepared by	:	MHATRED
Key to abbreviations	:	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

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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

: Not available.

References**Notice to reader**

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