GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 PolyOne.

Page 1 of 16 Print Date 11/20/2018

SAFETY DATA SHEET

GEON 83481 NAT 021

Section 1. Identification		
CUS product identifier		GEON 83481 NAT 021
GHS product identifier Chemical name		Mixture
CAS number	:	Mixture
Other means of identification		8348100B0210
Product type		solid
Relevant identified uses of the subs	stance	e or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
Supplier's details	:	POLYONE CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions.After handling, always wash hands thoroughly with soap and water.

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



GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 2 of 16 Print Date 11/20/2018

Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	8348100B0210

CAS number/other identifiers

Ingredient name	%	CAS number
Antimony trioxide	1 - 3	1309-64-4

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 as hazardous to health or the environment 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

Eye contact

: 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.



GEON 83481 NAT 021

Version Number 1.10	Page 3 of 16
Revision Date 05/07/2018	Print Date 11/20/2018

Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated
		clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at
		rest in a position comfortable for breathing. 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 personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical	attantia	n and special treatment peeded if personer

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

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

See toxicological information (Section 11)

Section 5. Firefighting 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.



GEON 83481 NAT 021

Version Number 1.10	Page 4 of 16
Revision Date 05/07/2018	Print Date 11/20/2018

Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds 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

For non-emergency personnel For emergency responders	:	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. 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 Methods and materials for containme	: ent a	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).
Small spill Large 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. 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. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.



GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018

Page 5 of 16 Print Date 11/20/2018

Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). 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, 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
Antimony trioxide	OSHA PEL (1993-06-30) as antimony
	PEL: Permissible Exposure Level 0.5 mg/m3
	NIOSH REL (1994-06-01) as antimony
	Time Weighted Average (TWA) 0.5 mg/m3
	OSHA PEL 1989 (1989-03-01) as antimony
	PEL: Permissible Exposure Level 0.5 mg/m3
	ACGIH TLV (1994-09-01)
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.

GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018

Individual protection measures



Page 6 of 16 Print Date 11/20/2018

Hygiene measures Eye/face protection	:	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. 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.
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

Appearance

Physical state	:	solid [Pellets.]
Color	:	NO PIGMENT
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.

<u>PolyOne</u>

GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 7 of 16 Print Date 11/20/2018

Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
-		Kinematic: Not available.

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	:	Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure		
Antimony trioxide						
	LD50 Oral	Rat	34,000 mg/kg	-		



GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 8 of 16 Print Date 11/20/2018

Remarks - Inhalation:	No applicable toxicity data
Remarks - Dermal:	No applicable toxicity data
Conclusion/Summary	: Mixture.Not fully tested.

Irritation/Corrosion

Antimony trioxide Eyes - Mild irritant Rabbit - Conclusion/Summary Finite State - - Skin : Mixture.Not fully tested. - Respiratory : Mixture.Not fully tested. - Sensitization - - - Conclusion/Summary : Mixture.Not fully tested. - Sensitization - - - Conclusion/Summary : Mixture.Not fully tested. - Respiratory : Mixture.Not fully tested. - Mutagenicity - - - - Conclusion/Summary : Mixture.Not fully tested. - - Iname 2B - - - - Reproductive toxicity : Mixture.Not fully tested. : : : </th <th>Product/ingredient name</th> <th>Result</th> <th>Species</th> <th>Score</th> <th>Exposure</th> <th>Observation</th>	Product/ingredient name	Result	Species	Score	Exposure	Observation
Conclusion/Summary i Mixture.Not fully tested. Eyes : Mixture.Not fully tested. Respiratory : Mixture.Not fully tested. Sensitization	Antimony trioxide		Rabbit			-
Skin : Mixture.Not fully tested. Eyes : Mixture.Not fully tested. Respiratory : Mixture.Not fully tested. Sensitization		irritant				
Eyes : Mixture.Not fully tested. Respiratory : Mixture.Not fully tested. Sensitization						
Respiratory : Mixture.Not fully tested. Sensitization . Conclusion/Summary . Skin : Mixture.Not fully tested. Respiratory : Mixture.Not fully tested. Mutagenicity . Mixture.Not fully tested. Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity . . Conclusion/Summary : Mixture.Not fully tested. Classification . . Product/ingredient OSHA IARC NTP Antimony trioxide . . . Zeproductive toxicity . Mixture.Not fully tested. . Conclusion/Summary : Mixture.Not fully tested. . Reproductive toxicity . . . Conclusion/Summary : Mixture.Not fully tested. . Specific target organ toxicity (single exposure) . . . Not available. Specific target organ toxicity (repeated exposure) . . . </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Sensitization Sensitization Conclusion/Summary Skin : Mixture.Not fully tested. Respiratory : Mixture.Not fully tested. Mutagenicity Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity Conclusion/Summary : Mixture.Not fully tested. Classification Product/ingredient name OSHA Antimony trioxide 2B Reproductive toxicity Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)						
Conclusion/Summary Skin : Mixture.Not fully tested. Respiratory : Mixture.Not fully tested. Mutagenicity Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity Conclusion/Summary : Mixture.Not fully tested. Classification Product/ingredient OSHA IARC NTP Antimony trioxide 2B Reproductive toxicity Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure) State of the state	Respiratory	: N	lixture.Not fu	ally tested.		
Skin : Mixture.Not fully tested. Respiratory : Mixture.Not fully tested. Mutagenicity . Mixture.Not fully tested. Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity . Mixture.Not fully tested. Conclusion/Summary : Mixture.Not fully tested. Classification . . Product/ingredient OSHA IARC NTP name . . . Antimony trioxide . . . Reproductive toxicity . Mixture.Not fully tested. . Conclusion/Summary : Mixture.Not fully tested. . Teratogenicity Not available. Specific target organ toxicity (repeated exposure) . . . Specific target organ toxicity (repeated exposure) . . .	Sensitization					
Respiratory : Mixture.Not fully tested. Mutagenicity Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity Conclusion/Summary : Mixture.Not fully tested. Classification IARC NTP Product/ingredient OSHA IARC NTP Antimony trioxide 2B Image: Conclusion/Summary : Mixture.Not fully tested. Reproductive toxicity Conclusion/Summary : Mixture.Not fully tested. Image: Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure) Specific target organ toxicity (repeated exposure)						
Mutagenicity Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity Conclusion/Summary : Mixture.Not fully tested. Classification Product/ingredient OSHA IARC NTP name 2B Antimony trioxide 2B Reproductive toxicity Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)						
Conclusion/Summary : Mixture.Not fully tested. Carcinogenicity : Mixture.Not fully tested. Classification : : Product/ingredient OSHA IARC NTP name : : : Antimony trioxide : 2B : Reproductive toxicity : Mixture.Not fully tested. Conclusion/Summary : Mixture.Not fully tested. Teratogenicity : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. : Mixture.Not fully tested.	Respiratory	: N	lixture.Not fi	ally tested.		
Carcinogenicity Mixture.Not fully tested. Classification IARC NTP Product/ingredient OSHA IARC NTP name 2B	Mutagenicity					
Conclusion/Summary : Mixture.Not fully tested. Classification Product/ingredient OSHA IARC NTP name 2B Antimony trioxide 2B Reproductive toxicity Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	Conclusion/Summary	: N	lixture.Not fu	ally tested.		
Classification OSHA IARC NTP name 2B 2B Antimony trioxide 2B Reproductive toxicity 2B Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	Carcinogenicity					
Product/ingredient name OSHA IARC NTP Antimony trioxide 2B 2B Reproductive toxicity Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)		: N	lixture.Not fu	ally tested.		
name 2B Antimony trioxide 2B Reproductive toxicity Conclusion/Summary Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)		OSILA	LADC	NTD		
Reproductive toxicity Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	0	USHA	IAKU	NIP		
Conclusion/Summary : Mixture.Not fully tested. Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	Antimony trioxide		2B			
Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	<u>Reproductive toxicity</u>					
Teratogenicity Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	Conclusion/Summary	: N	lixture.Not fu	ally tested.		
Conclusion/Summary : Mixture.Not fully tested. Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	-					
Specific target organ toxicity (single exposure) Not available. Specific target organ toxicity (repeated exposure)	<u>Teratogenicity</u>					
Not available. Specific target organ toxicity (repeated exposure)	Conclusion/Summary	: N	lixture.Not fu	ally tested.		
		ty (single exposu	<u>ire)</u>			
		ty (repeated exp	osure)			



GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 9 of 16 Print Date 11/20/2018

Aspiration hazard Not available.		
Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the physical,	chemic	cal and toxicological characteristics
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
	well as	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		
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.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Numerical measures of toxicity



GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 10 of 16 Print Date 11/20/2018

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure			
Antimony trioxide						
	Acute LC50 > 530 Mg/l Fresh	Fish - Fish	96 h			
	water					
Remarks - Acute - Fish:	Acute					
	Acute EC50 560 Mg/l Fresh water	Aquatic invertebrates.	48 h			
		Crustaceans				
Remarks - Acute - Aquatic	Acute					
invertebrates.:						
	Acute EC50 0.42345 Mg/l Fresh	Aquatic invertebrates.	48 h			
	water	Daphnia				
Remarks - Acute - Aquatic	Acute					
invertebrates.:						
	Acute EC50 0.73 Mg/l Fresh water	Aquatic plants - Algae	72 h			
Remarks - Acute - Aquatic	Acute					
plants:		-				
	Acute EC50 0.74 Mg/l Fresh water	Aquatic plants - Algae	96 h			
Remarks - Acute - Aquatic	Acute					
plants:		-				
	Acute NOEC 0.2 Mg/l Fresh water	Aquatic plants - Algae	96 h			
Remarks - Acute - Aquatic	Chronic					
plants:						
Remarks - Chronic - Fish:	No applicable toxicity data					
Remarks - Chronic -	No applicable toxicity data					
Aquatic invertebrates.:						
GEON 83481 NAT 021						
Remarks - Acute - Aquatic	Chemicals are not readily available as they are bound within the polymer matrix.					
invertebrates.:						
Conclusion/Summary	: Chemicals are not readily available as they are bound within the					
	polymer matrix.					

Persistence and degradability

GEON 83481 NAT 021

PolyOne.

Version Number 1.10 Revision Date 05/07/2018		Page 11 of 16 Print Date 11/20/2018
Conclusion/Summary	:	Chemicals are not readily available as they are bound within the polymer matrix.
Conclusion/Summary	:	Chemicals are not readily available as they are bound within the polymer matrix.
<u>Bioaccumulative potential</u> Not available.		
<u>Mobility in soil</u>		
Soil/water partition coefficient (KOC)	:	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 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.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Consult mode specific transport rules

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GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 12 of 16 Print Date 11/20/2018

International Water IMO/IMDG : Consult mode specific transport rules

Section 15. Regulatory information

U.S. Federal regulations	:	 United States - TSCA 12(b) - Chemical export notification: None of the components are listed. United States - TSCA 4(a) - Final Test Rules: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Listed 4-Nonylphenol, branched
		United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Listed Lead
		United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Listed 4-Nonylphenol, branched
		United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Antimony trioxide 2-Ethylhexanoic acid zinc salt Zinc chloride (ZnCl2) Phenol Arsenic Lead Vinyl chloride monomer
		United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed

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GEON 83481 NAT 021

Version Number 1.10	Page 13 of 16
Revision Date 05/07/2018	Print Date 11/20/2018

United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed

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

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	RQ for component
Arsenic	7440-38-2	1 lb(s) 0.454 kg
Antimony trioxide	1309-64-4	1,000 lb(s) 454 kg

SARA 311/312

Classification

Not applicable.

:

Composition/information on ingredients

Name	%	Classification
Antimony trioxide	1 - 3	AH, CH

SARA 313

	Product name	CAS number	%
Form R - Reporting	Lead	7439-92-1	0 - 0.1
requirements			
	Antimony trioxide	1309-64-4	1 - 3
Supplier notification	Lead	7439-92-1	0 - 0.1



GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018

Page 14 of 16 Print Date 11/20/2018

	Antimony trioxide		1309-64-4	1 - 3
SARA 313 notifications must not b include copying and redistribution				
<u>State regulations</u> Massachusetts	None of th		nto ono liotod	
New York	 None of the components are listed. The following components are listed: Antimony trioxide 			
New Jersey	 The following components are listed: Ethene, chloro-, homopolymer Calcium carbonate Bis (2-ethylhexyl) adipate Antimony trioxide 			
Pennsylvania	 The following components are listed: Antimony trioxide 			
	Bis (2-eth	ylhexyl) a	dipate	
	Calcium c	arbonate		
California Prop. 65 WARNING: This product contains	a chemical known to	o the State	of California to cause ca	ncer.
United States inventory (TSCA 8	b) : All compo	nents are l	isted or exempted.	
Canada inventory	: At least on are listed in		ent is not listed in DSL b	ut all such components
International regulations				
Inventory list				
Australia Canada	 Not deterr At least or are listed it 	ne compon	ent is not listed in DSL b	ut all such components
China Europe inventory Japan New Zealand Philippines Republic of Korea Taiwan	: Not deterr	nined. onents are nined. nined. nined. nined.	listed or exempted.	

14/16

GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 15 of 16 Print Date 11/20/2018

Turkey United States Not determined.

:

All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

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. History

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Key to abbreviations	:	ATE = Acute Toxicity Estimate
•		BCF = Bioconcentration Factor
		GHS = Globally Harmonized System of Classification and Labelling of
		Chemicals
		IATA = International Air Transport Association
		IBC = Intermediate Bulk Container
		IMDG = International Maritime Dangerous Goods
		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)
		UN = United Nations
References	:	Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

PolyOne

GEON 83481 NAT 021

Version Number 1.10 Revision Date 05/07/2018 Page 16 of 16 Print Date 11/20/2018

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.