501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 1 of 17 Print Date 04/10/2019

SAFETY DATA SHEET

501996JAMBCL GREEN

Section 1. Identification					
GHS product identifier Chemical name CAS number Other means of identification Product type	:	501996JAMBCL GREEN Mixture Mixture CC00015831 solid			
Relevant identified uses of the substance or mixture and uses advised againstProduct 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. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. 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		
Signal word	:	No signal word.
		1/17

<u>PolyOne</u>

501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 2 of 17 Print Date 04/10/2019

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	:	CC00015831

CAS number/other identifiers

Ingredient name	%	CAS number
2-Propenenitrile, polymer with Ethenylbenzene	50 - 75	9003-54-7
Titanium dioxide	5 - 10	13463-67-7
Styrene	0 - 0.3	100-42-5

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

Skin contact

Ingestion

SAFETY DATA SHEET



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019	Page 3 of 17 Print Date 04/10/2019
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.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of

surveillance for 48 hours.

inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical

clothing and shoes. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at

medical personnel. Get medical attention if symptoms occur.

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

Flush contaminated skin with plenty of water. Remove contaminated

Most important symptoms/effects, acute and delayed

:

:

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.
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 at	tentio	on and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	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)



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019

Page 4 of 17 Print Date 04/10/2019

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$. None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen 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

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 :	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.
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501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019

Page 5 of 17 Print Date 04/10/2019

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. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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	
Styrene	OSHA PEL 1989 (1989-03-01)	
	TWA 215 mg/m3 50 ppm	
	STEL 425 mg/m3 100 ppm	
	OSHA PEL Z2 (1993-06-30)	
	TWA 100 ppm	
	CEIL 200 ppm	
	CEIL 600 ppm	
	NIOSH REL (1994-06-01)	
	TWA 215 mg/m3 50 ppm	



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 6 of 17 Print Date 04/10/2019

	STEL 425 mg/m3 100 ppm ACGIH TLV (1997-05-21) TWA 85 mg/m3 20 ppm STEL 170 mg/m3 40 ppm
Titanium dioxide	OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3
2-Propenenitrile, polymer with Ethenylbenzene	None.
	 Good general ventilation should be sufficient to control worker exposure to airborne contaminants. 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.
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.
	 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. Appropriate footwear and any additional skin protection measures
	6/17

501996JAMBCL GREEN

Version Number 1.4	Page 7 of 17
Revision Date 04/09/2019	Print Date 04/10/2019

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	:	GREEN
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
		T T N T N T N T N
(flammable) limits		Upper: Not available.
(flammable) limits Vapor pressure	:	Upper: Not available. Not available.
	:	••
Vapor pressure	:	Not available.
Vapor pressure Vapor density	:	Not available. Not available.
Vapor pressure Vapor density Relative density	:	Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility	:	Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water	:	Not available. Not available. Not available. Not available. insoluble in water.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	:	Not available. Not available. Not available. Not available. insoluble in water.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. insoluble in water. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. insoluble in water. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature	:::::::::::::::::::::::::::::::::::::::	Not available. Not available. Not available. Not available. insoluble in water. Not available. Not available. 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.



501996JAMBCL GREEN

Version Number 1.4	Page 8 of 17
Revision Date 04/09/2019	Print Date 04/10/2019

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.
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
Styrene				
	LD50 Oral	Rat	2,650 mg/kg	-
	LC50 Inhalation	Rat	2,770 ppm	4 h
	LC50 Inhalation	Rat	11.8 Mg/l	4 h
Remarks - Dermal:	No applicable toxi	city data		
Titanium dioxide				
Remarks - Oral:	No applicable toxic	city data		
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
2-Propenenitrile, polymer with	Ethenylbenzene			
	LD50 Oral	Rat	1,800 mg/kg	-
Remarks - Inhalation:	No applicable toxicity data			
Remarks - Dermal:	No applicable toxicity data			
Conclusion/Summany	NG	ra Not fully tostad	1	

Conclusion/Summary : Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Styrene	Eyes - Mild	Human			-
	irritant				
	Skin - Mild	Rabbit			-
	irritant				
	Skin -	Rabbit			-
	Moderate				



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 9 of 17 Print Date 04/10/2019

	irritant					
	Eyes - Severe irritant	Rabbit			-	
	Eyes - Moderate irritant	Rabbit		24 hrs	-	
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-	
Conclusion/Summary				1		
Skin	: M	ixture.Not full	v tested.			
Eyes		ixture.Not full				
Respiratory		ixture.Not full				
<u>Sensitization</u>						
Conclusion/Summary	N	• • • • • • • • •	1			
Skin De service de servi		ixture.Not full				
Respiratory	: M	ixture.Not full	y tested.			
<u>Mutagenicity</u>	<u>Mutagenicity</u>					
Conclusion/Summary	: Mixture.Not fully tested.					
Carcinogenicity						
Conclusion/Summary Classification	: M	ixture.Not full	y tested.			
Product/ingredient	OSHA	IARC	NTP			
name						
Styrene		2B	Reasonabl	y anticipated to be	a human carcinogen.	
Titanium dioxide		2B				
2-Propenenitrile, polymer		3				
with Ethenylbenzene						
<u>Reproductive toxicity</u>						
Conclusion/Summary	: M	ixture.Not full	y tested.			
Teratogenicity						
<u>Teratogenicity</u> Conclusion/Summary		ixture.Not full	y tested.			

<u>PolyOne</u>

501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 10 of 17 Print Date 04/10/2019

Specific target organ toxicity (repo Not available.	eated e	exposure)
Aspiration hazard Not available.		
Information on likely routes of exposure	:	Not available.
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.
Symptoms related to the physical,	chemi	cal and toxicological characteristics
	: : : vell as	No specific data. No specific data. No specific data. No specific data. chronic effects from short and long-term exposure
<u>Short term exposure</u> Potential immediate effects Potential delayed effects <u>Long term exposure</u>	:	Not available. Not available.
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects	::	No known significant effects or critical hazards. No known significant effects or critical hazards.



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 11 of 17 Print Date 04/10/2019

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Result	Species	Exposure
Acute LC50 4.02 Mg/l Fresh water	Fish - Fish	96 h
Acute		
Acute EC50 0.0047 Mg/l Fresh	Aquatic invertebrates.	48 h
water	Daphnia	
Acute		
Acute LC50 52 Mg/l Marine water	Aquatic invertebrates.	48 h
6	Crustaceans	-
Acute		
		1
Acute EC50 1.4 Mg/l Fresh water	Aquatic plants - Algae	72 h
Acute		
Acute EC50 0.72 Mg/l Fresh water	Aquatic plants - Algae	96 h
Acute		
Acute NOEC 0.063 Mg/l Fresh water	Aquatic plants - Algae	96 h
Chronic		
No applicable toxicity data		
No applicable toxicity data		
Acute LC50 > 1,000 Mg/l Marine water	Fish - Fish	96 h
	1	1
Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	AcuteAcute EC50 0.0047 Mg/l Fresh waterAcute EC50 0.0047 Mg/l Fresh waterAcute LC50 52 Mg/l Marine waterAcute EC50 1.4 Mg/l Fresh waterAcute EC50 0.72 Mg/l Fresh waterAcute EC50 0.72 Mg/l Fresh waterAcute NOEC 0.063 Mg/l Fresh waterChronicNo applicable toxicity data 	AcuteAcute EC50 0.0047 Mg/l Fresh waterAquatic invertebrates. DaphniaAcuteAquatic invertebrates. CrustaceansAcute LC50 52 Mg/l Marine waterAquatic invertebrates. CrustaceansAcute LC50 52 Mg/l Marine waterAquatic plants - AlgaeAcute EC50 1.4 Mg/l Fresh waterAquatic plants - AlgaeAcute EC50 0.72 Mg/l Fresh waterAquatic plants - AlgaeAcute EC50 0.72 Mg/l Fresh waterAquatic plants - AlgaeAcute NOEC 0.063 Mg/l Fresh waterAquatic plants - AlgaeAcute NOEC 0.063 Mg/l Fresh waterAquatic plants - AlgaeNo applicable toxicity dataNo applicable toxicity dataNo applicable toxicity dataFish - FishAcute LC50 > 1,000 Mg/l Marine waterFish - FishAcute LC50 3 Mg/l Fresh waterAquatic invertebrates.



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 12 of 17 Print Date 04/10/2019

Remarks - Acute - Aquatic invertebrates.:	Acute		
in or cost accost	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
Remarks - Acute - Aquatic invertebrates.:	Acute		
Remarks - Acute - Aquatic plants:	No applicable toxicity data		
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
2-Propenenitrile, polymer with	Ethenylbenzene		
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
501996JAMBCL GREEN			
Remarks - Acute - Aquatic	Chemicals are not readily available a	as they are bound within the	polymer matrix.
invertebrates.:			
Conclusion/Summary	: Chemicals are not readil polymer matrix.	ly available as they are bour	nd within the

Persistence and degradability

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

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Styrene	0.35	13.49	low

Mobility in soil

Soil/water partition coefficient	:	Not available.
(KOC) Other adverse effects		No known significant offsets or oritical begards
Other adverse effects	•	No known significant effects or critical hazards.



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 13 of 17 Print Date 04/10/2019

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	:	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	:	Not classified as dangerous goods under transport regulations.

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 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed
	United States - TSCA 5(a)2 - Proposed significant new use rules: 13/17

501996JAMBCL GREEN

Version Number	er 1.4
Revision Date	04/09/2019

Page 14 of 17 Print Date 04/10/2019

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: Not listed 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): Not listed 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 Phthalocyanine green Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, brominatedchlorinated Acrylonitrile Zinc stearate United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Listed 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 Listed Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) **Clean Air Act Section 602 Class I** Not listed : Clean Air Act Section 602 Class II : Not listed **DEA List I Chemicals (Precursor** Not listed : Not listed **DEA List II Chemicals (Essential** :

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

Substances

Substances

Chemicals)

Chemicals)

Not applicable.

:



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 15 of 17 Print Date 04/10/2019

Composition/information on ingredients

No products were found.

Name	%	Classification
2-Propenenitrile, polymer	>= 50 - <= 75	ACUTE TOXICITY - oral - Category 4
with Ethenylbenzene		
Titanium dioxide	>= 5 - <= 10	CARCINOGENICITY - Category 2
Styrene	> 0 - <= 0.3	FLAMMABLE LIQUIDS - Category 3
		ACUTE TOXICITY - inhalation - Category 4
		SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
		CARCINOGENICITY - Category 2

SARA 313

	Product name	CAS number	%
Form R - Reporting	Zinc stearate	557-05-1	1 - 3
requirements			
	Styrene	100-42-5	0 - 0.3
Supplier notification	Zinc stearate	557-05-1	1 - 3
	Styrene	100-42-5	0 - 0.3

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	: None of the components are listed.
New York	: The following components are listed: Styrene
New Jersey	: The following components are listed: 2-Propenenitrile, polymer with Ethenylbenzen Calcium carbonate Titanium dioxide Zinc stearate Styrene
Pennsylvania	: The following components are listed: Calcium carbonate



501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 16 of 17 Print Date 04/10/2019

Titanium dioxide

Zinc stearate

Styrene

California Prop. 65

WARNING: This product can expose you to chemicals including Styrene, Titanium dioxide, 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
Titanium dioxide	No.	No.
Styrene	No.	No.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	At least one component is not listed in DSL but all such components are listed in NDSL.
International regulations		
Inventory list		
Australia Canada	:	All components are listed or exempted. At least one component is not listed in DSL but all such components are listed in NDSL.
China	:	Not determined.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

Section 16. Other information

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





501996JAMBCL GREEN

Version Number 1.4 Revision Date 04/09/2019 Page 17 of 17 Print Date 04/10/2019

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

<u>1113t01 y</u>		
Date of printing	:	04/10/2019
Date of issue/Date of revision	:	04/09/2019
Date of previous issue	:	04/23/2015
Version	:	1.4
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. 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.