### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 1 of 17 Print Date 09/17/2020

# SAFETY DATA SHEET

X ET 218720#SR-21951 S2 Zuma

Section 1. Identification		
GHS product identifier Chemical name CAS number Other means of identification Product type	:	X ET 218720#SR-21951 S2 Zuma Mixture Mixture EM10041621 solid
<u>Relevant identified uses of the sub</u> Product use	stance :	e or mixture and uses advised against Industrial applications.
Supplier's details	:	POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012
Emergency telephone number (with hours of operation)	:	1 (440) 930-1000 or 1 (866) POLYONE 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

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 2 of 17 Print Date 09/17/2020

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.
		Not available.

### Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	EM10041621

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	1 - 3	13463-67-7
Tris(4-nonylphenyl, branched and linear) phosphite with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear	0 - 0.3	26523-78-4
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



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1	Page 3 of 17
Revision Date 09/16/2020	Print Date 09/17/2020

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.
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 <u>Over-exposure signs/symptoms</u>	:::::::::::::::::::::::::::::::::::::::	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.
Eye contact Inhalation Skin contact Ingestion	::	No specific data. No specific data. No specific data. No specific data.
Indication of immediate medical atte	<u>entio</u>	n 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



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 4 of 17 Print Date 09/17/2020

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO <sub>2</sub> . 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 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 contain	ment a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

<u>PolyOne</u>

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 5 of 17 Print Date 09/17/2020

## 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
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
Styrene	ACGIH TLV (1997-05-21) TWA 20 ppm STEL 40 ppm NIOSH REL (1994-06-01) TWA 215 mg/m3 50 ppm STEL 425 mg/m3 100 ppm OSHA PEL 1989 (1989-03-01) TWA 215 mg/m3 50 ppm
5/17	



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 6 of 17 Print Date 09/17/2020

STEL 425 mg/m3 100 ppm         OSHA PEL Z2 (1993-06-30)         TWA 100 ppm         CEIL 200 ppm         AMP 600 ppm         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.
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.
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 should be selected based on the task being performed and the risks

)ne

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 7 of 17 Print Date 09/17/2020

**Respiratory protection** 

product.

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

Color:BROWNOdor:Faint odor.Odor threshold:Not available.pH:Not available.Boiling point:Not available.Boiling point:Not available.Flash point:Not available.Burning time:Not available.Burning tate: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.Solubility:Not available.Solubility:Not available.Solubility:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.Kinematic: Not available.Aerosol product:Not available.Ignition distance:Not available.	Physical state	:	solid [Pellets.]
Odor:Faint odor.Odor threshold:Not available.pH: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.(flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.:Not available.Jate of combustion:Not available.Ignition distance:Not available.	v		
pH:Not available.Melting point:Not available.Boiling point:Not available.Burning time: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.(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- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.Intermatic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.	Odor		Faint odor.
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.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.	Odor threshold	:	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.(flammable) limits:Upper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.:Not available.Japanic: Not available.:Not available.Japanic: Not available.::Heat of combustion:Not available.Ignition distance:Not available.	pH	:	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.(flammable) limitsUpper: 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- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Heat of combustion:Not available.Ignition distance:Not available.	Melting 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.(flammable) limits:Upper: Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.:Meat of combustion:Not available.Ignition distance:Not available.		:	Not available.
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- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.:Aerosol product:Heat of combustion:Not available.Ignition distance:Not available.		:	Not available.
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- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.:Aerosol product:Heat of combustion:Not available.Ignition distance:Not available.	Burning time	:	Not available.
Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limits:Lower: 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- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Dynamic: Not available.Viscosity:Dynamic: Not available.Heat of combustion:Not available.Ignition distance:Not available.		:	Not available.
Lower and upper explosive (flammable) limits:Lower: Not available. Upper: Not available.Vapor pressure Vapor density Relative density Solubility:Not available.Relative density Solubility:Not available.Solubility Solubility in water:Not available.Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature SADT:Not available.Viscosity:Not available.:Viscosity:Dynamic: Not available.Kinematic: Not available.:Not available.Ignition distance:Not available.	Evaporation rate	:	Not available.
(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.	Flammability (solid, gas)	:	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- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Heat of combustion:Not available.Ignition distance:Not available.	Lower and upper explosive	:	Lower: Not available.
Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Heat of combustion:Not available.Ignition distance:Not available.	(flammable) limits		Upper: Not available.
Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:Insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Heat of combustion:Not available.Ignition distance:Not available.	Vapor pressure	:	Not available.
Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.		:	Not available.
Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.	Relative density	:	Not available.
Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.:Not available.Heat of combustion:Not available.Ignition distance:Not available.	Solubility	:	Not available.
octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.Kinematic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.	Solubility in water	:	insoluble in water.
Auto-ignition temperature Decomposition temperature:Not available.SADT Viscosity:Not available.Wiscosity:Dynamic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.	Partition coefficient: n-	:	Not available.
Decomposition temperature SADT:Not available.SADT Viscosity:Not available.Wiscosity:Dynamic: Not available.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.	octanol/water		
SADT       : Not available.         Viscosity       : Dynamic: Not available.         Kinematic: Not available.       Kinematic: Not available.         Heat of combustion       : Not available.         Ignition distance       : Not available.	Auto-ignition temperature	:	Not available.
Viscosity:Dynamic: Not available. Kinematic: Not available.Aerosol product.Heat of combustion:Ignition distance:Not available.	Decomposition temperature	:	Not available.
Kinematic: Not available.         Aerosol product         Heat of combustion       :         Ignition distance       :	SADT	:	Not available.
Aerosol product         Heat of combustion       :       Not available.         Ignition distance       :       Not available.	Viscosity	:	Dynamic: Not available.
Heat of combustion: Not available.Ignition distance: Not available.			Kinematic: Not available.
Ignition distance : Not available.	Aerosol product		
	Heat of combustion	:	Not available.
Enclosed and as ignition Time . Not excitable	Ignition distance	:	Not available.
equivalent	Enclosed space ignition - Time equivalent	:	Not available.

ne

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 8 of 17 Print Date 09/17/2020

:	Not available.
:	Not available.
:	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	:	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		
Remarks - Oral:	No applicable toxic	No applicable toxicity data				
<b>Remarks - Inhalation:</b>	No applicable toxic	No applicable toxicity data				
<b>Remarks - Dermal:</b>	No applicable toxic	city data				
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 toxicity 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	-		
Conclusion/Summary	: Mixtu	re.Not fully teste	d.			

Conclusion/Summary

Mixture.Not fully tested.



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 9 of 17 Print Date 09/17/2020

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Styrene	Eyes - Mild	Human			-
	irritant	D-114			
	Skin - Mild	Rabbit			-
	irritant	D 11:4			
	Skin -	Rabbit			-
	Moderate				
	irritant	D-114			
	Eyes - Severe	Rabbit			-
	irritant	D-114		24.1	
	Eyes - Moderate	Rabbit		24 hrs	-
Titanium dioxide	irritant Skin - Mild	Human		72 hrs	
Titanium dioxide		Human		/2 nrs	-
Conclusion/Summary	irritant				
Skin	• M	ixture.Not fu	lly tostad		
Eyes		ixture.Not fu			
Respiratory		ixture.Not fu			
Respirator y	• 111	IXture.Not Iu	ily tested.		
<b>Sensitization</b>					
Conclusion/Summary					
Skin		ixture.Not fu			
Respiratory	: M	ixture.Not fu	lly tested.		
<b>Mutagenicity</b>					
Conclusion/Summary	: M	ixture.Not fu	lly tested.		
<u>Carcinogenicity</u>					
Conclusion/Summary	: M	ixture.Not fu	lly tested.		
<b>Classification</b>					

Product/ingredient name	OSHA	IARC	NTP
Styrene	-	2B	Reasonably anticipated to be a human carcinogen.
Titanium dioxide	-	2B	-

#### **Reproductive toxicity**

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

<u>PolyOne</u>

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 10 of 17 Print Date 09/17/2020

<b>Teratogenicity</b>		
Conclusion/Summary	:	Mixture.Not fully tested.
Specific target organ toxicity (sing Not available.	le expo	osure)
Specific target organ toxicity (rependent) Not available.	ated e	<u>xposure)</u>
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,	<u>chemi</u>	cal and toxicological characteristics
Eye contact Inhalation Skin contact Ingestion	: : :	No specific data. No specific data. No specific data. No specific data.
Delayed and immediate effects as w	vell as	chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		

Ine

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 11 of 17 Print Date 09/17/2020

Conclusion/Summary

General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects Mixture.Not fully tested.

:

:

:

:

:

:

: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Tris(4-nonylphenyl, branched	and linear) phosphite with $\geq 0.1\%$ w/w	of 4-nonylphenol, branche	ed and linear
Remarks - Acute - Fish:	No applicable toxicity data		
	Acute EC50 0.42 Mg/l	Aquatic invertebrates. Daphnia	48 h
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
Styrene			
	Acute LC50 4.02 Mg/l Fresh water	Fish - Fish	96 h
Remarks - Acute - Fish:	Acute		
	Acute EC50 0.0047 Mg/l Fresh	Aquatic invertebrates.	48 h
	water	Daphnia	
Remarks - Acute - Aquatic invertebrates.:	Acute		
	Acute LC50 52 Mg/l Marine water	Aquatic invertebrates.	48 h
		Crustaceans	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 12 of 17 Print Date 09/17/2020

	Acute EC50 1.4 Mg/l Fresh water	Aquatic plants - Algae	72 h	
Remarks - Acute - Aquatic	Acute			
plants:				
	Acute EC50 0.72 Mg/l Fresh water	Aquatic plants - Algae	96 h	
Remarks - Acute - Aquatic	Acute			
plants:				
	Acute NOEC 0.063 Mg/l Fresh	Aquatic plants - Algae	96 h	
	water			
Remarks - Acute - Aquatic	Chronic			
plants:				
Remarks - Chronic - Fish:	No applicable toxicity data			
Remarks - Chronic -	No applicable toxicity data			
Aquatic invertebrates.:				
Titanium dioxide				
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h	
	water			
Remarks - Acute - Fish:	Acute		1	
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates.	48 h	
		Crustaceans		
<b>Remarks - Acute - Aquatic</b>	Acute			
invertebrates.:				
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates.	48 h	
		Daphnia		
Remarks - Acute - Aquatic	Acute			
invertebrates.:				
Remarks - Acute - Aquatic	No applicable toxicity data			
plants:				
Remarks - Chronic - Fish:	No applicable toxicity data			
Remarks - Chronic -	No applicable toxicity data			
Aquatic invertebrates.: X ET 218720#SR-21951 S2 Z				
Remarks - Acute - Aquatic	Chemicals are not readily available a	a than and hound within the	nolumon motair	
invertebrates.:	Chemicals are not readily available a	s they are bound within the	e porymer maurix.	
Conclusion/Summary	Chemicals are not readil	y available as they are bou	nd within the	
Conclusion/Summary	polymer matrix.	y available as they are bou	na wiann the	
	F )			
Persistence and degradability	<u>v</u>			
<b>Conclusion/Summary</b>		y available as they are bound	nd within the	
	polymer matrix.			

#### **Bioaccumulative potential**



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 13 of 17 Print Date 09/17/2020

Product/ingredient name	LogPow	BCF	Potential
Tris(4-nonylphenyl, branched and	14	-	high
linear) phosphite with $\geq 0.1\%$ w/w of			
4-nonylphenol, branched and linear			
Styrene	0.35	13.49	low

#### Mobility in soil

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

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

<u>PolyOne</u>

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 14 of 17 Print Date 09/17/2020

IMO/IMDG

## Section 15. Regulatory information

U.S. Federal regulations	:	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a) - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(a) - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(a) - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 6 - Proposed risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(a) - Preliminary assessment report</li> <li>(PAIR): Not listed</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Rutile, antimony chromium buff Acrylonitrile</li> <li>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed</li> <li>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed</li> </ul>
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) Clean Air Act Section 602 Class I	:	Listed Not listed
Substances Clean Air Act Section 602 Class II	:	Not listed



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 15 of 17 Print Date 09/17/2020

Substances:Not listedDEA List I Chemicals (Precursor:Not listedChemicals):Not listedDEA List II Chemicals (Essential<br/>Chemicals):Not listed

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

#### SARA 311/312

Classification

Not applicable.

:

#### **Composition/information on ingredients**

No products were found.

Name	%	Classification
Titanium dioxide	>= 1 - <= 3	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
Tris(4-nonylphenyl, branched and linear) phosphite with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear	> 0 - <= 0.3	SKIN SENSITIZATION - Category 1

#### <u>SARA 313</u>

#### Form R - Reporting requirements

Product name	CAS number	%
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.



### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 16 of 17 Print Date 09/17/2020

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	The following components are listed: Styrene
New Jersey	:	The following components are listed: Styrene Titanium dioxide White mineral oil (petroleum)
Pennsylvania	:	The following components are listed: Titanium dioxide
		Styrene

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Titanium dioxide, Styrene, 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	-	-
Styrene	Yes.	-

United States inventory (TSCA 8b)	:	All components are active or exempted.
Canada inventory	:	Not determined.
International regulations		
<u>Inventory list</u>		
Australia	:	Not determined.
Canada	:	Not determined.
China	:	All components are listed or exempted.
Europe inventory	:	Not determined.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are active or exempted.

## Section 16. Other information

### X ET 218720#SR-21951 S2 Zuma

Version Number 1.1 Revision Date 09/16/2020 Page 17 of 17 Print Date 09/17/2020

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

0	/	Health
0		Flammability
0		Physical hazards
		Physical hazards

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>Instory</u>		
Date of printing	:	09/17/2020
Date of issue/Date of revision	:	09/16/2020
Date of previous issue	:	04/27/2017
Version	:	1.1
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)
		$\hat{\mathbf{U}}\mathbf{N} = \mathbf{U}\mathbf{n}\mathbf{i}\mathbf{t}\mathbf{e}\mathbf{d}$ 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.