BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 1 of 17 Print Date 11/08/2019

SAFETY DATA SHEET

BLUE SHADE LU2A CDB210

Section 1. Identification	on	
GHS product identifier Chemical name CAS number Other means of identification Product type	:	BLUE SHADE LU2A CDB210 Mixture Mixture CC10296228 solid
	stance :	e or mixture and uses advised against 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

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 2 of 17 Print Date 11/08/2019

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.
		Not available.

Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10296228

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	25 - 50	13463-67-7
Silica, amorphous	1 - 3	7631-86-9
Carbon black	0.3 - 1	1333-86-4

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



BLUE SHADE LU2A CDB210

Version Number 1.1	Page 3 of 17
Revision Date 11/07/2019	Print Date 11/08/2019

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 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.
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	:	No known significant effects or critical hazards.
Skin contact		No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	-	No known significant effects or critical hazards.
ingestion	•	No known signmeant creets of critical nazards.
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 attention 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)



BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 4 of 17 Print Date 11/08/2019

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.
---------------	---	---

'ne

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019

Page 5 of 17 Print Date 11/08/2019

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
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
Silica, amorphous	NIOSH REL (1994-06-01) TWA 6 mg/m3

<u>PolyOne</u>

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019

Page 6 of 17 Print Date 11/08/2019

Carbon black		OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m3 OSHA PEL (1993-06-30) TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 0.1 mgPAH/m ³ ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Appropriate engineering controls Environmental exposure controls	:	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 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
Body protection	:	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
Other skin protection	:	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

Ine

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 7 of 17 Print Date 11/08/2019

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 [Peilets.]Color:TANOdor: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:Upper: Not available.Vapor pressure:Not available.Vapor density: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.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance:Not available.Enclosed space ignition - Time:Not available.			- 1' 1 (D-11-(-1
Odor:Faint odor.Odor threshold:Not available.pH:Not available.Boiling point:Not available.Boiling point:Not available.Burning point:Not available.Burning time:Not available.Burning rate:Not available.Evaporation rate:Not available.Flash point: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: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.Kinematic: Not available.Aerosol product:Not available.Ignition distance:Not available.	Physical state	:	solid [Pellets.]
Odor threshold:Not available.pH: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.Evaporation rate:Not available.Identified (flammable):Identified (flammable)Upper: Not available.:Upper: Not available.Vapor pressure:Not available.Vapor 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.Japition distance:Not available.			1111
pH: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.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:Ignition distance:	0401		
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) 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.Kinematic: Not available.:Not available.Jate of combustion:Not available.Ignition distance:Not available.			
Boiling 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:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Kinematic: Not available.:Heat of combustion:Not available.Ignition distance: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: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:Ignition distance: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.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance: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.Kinematic: Not available.Kinematic: Not available.Kinematic: Not available.:Heat of combustion:Not available.Ignition distance: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.Kinematic: Not available.Heat of combustion:Not available.Ignition distance: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.Kinematic: Not available.:Aerosol product:Heat of combustion:Ignition distance:	8		
Lower and upper explosive (flammable) limits:Lower: Not available.Vapor pressure (apor 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 SADT:Not available.Partition coefficient: n- octanol/water Auto-ignition temperature SADT:Not available.Viscosity:Not available.:Viscosity:Dynamic: Not available.Kinematic: Not available.:Not available.Ignition distance: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.	•	-	
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.Ignition distance:Not available.		:	
Vapor density: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.Ignition distance: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.Aerosol product:Not available.Heat of combustion:Not available.Ignition distance: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.	1 V	:	
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.	v		
Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature Decomposition temperature SADT:Not available.SADT Viscosity:Not available.Wiscosity:Dynamic: Not available.Aerosol product:Not available.Heat of combustion Ignition distance:Not available.		:	
octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available.Viscosity:Dynamic: Not available.Heat of combustion:Not available.Ignition distance:Not available.	Solubility in water	:	insoluble in water.
Auto-ignition temperature 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.	Partition coefficient: n-	:	Not available.
Decomposition temperature SADT:Not available.SADT Viscosity:Not available.Viscosity: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. <u>Aerosol product</u> : 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 : Not available. Ignition distance : Not available.	Decomposition temperature	:	Not available.
Kinematic: Not available. Aerosol product Heat of combustion : Not available. Ignition distance : Not available.	SADT	:	Not available.
Aerosol product Image: Market of combustion Image: Market of combustion Ignition distance Image: Market of combustion Image: Market of combustion	Viscosity	:	Dynamic: Not available.
Heat of combustion:Not available.Ignition distance:Not available.			Kinematic: Not available.
Heat of combustion:Not available.Ignition distance:Not available.	Aerosol product		
Ignition distance : Not available.			
	Heat of combustion	:	Not available.
	Ignition distance		Not available
Inclosed space ignition - Thite . Not available.			
	Enclosed space ignition - Thirt	•	



BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 8 of 17 Print Date 11/08/2019

equivalent		
Enclosed space ignition -	:	Not available.
Deflagration density		
Flame height	:	Not available.
Flame duration	:	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		
Carbon black						
	LD50 Oral	Rat	15,400 mg/kg	-		
Remarks - Inhalation:	No applicable toxic	city data				
Remarks - Dermal:	No applicable toxic	city data				
Silica, amorphous						
Remarks - Oral:	No applicable toxic	No applicable toxicity data				
Remarks - Inhalation:	No applicable toxic	No applicable toxicity data				
Remarks - Dermal:	No applicable toxic	No applicable toxicity data				
Titanium dioxide						
Remarks - Oral:	No applicable toxicity data					
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h		
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-		
Conclusion/Summary	: Mixtu	re.Not fully tested.				



BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 9 of 17 Print Date 11/08/2019

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Silica, amorphous	Eyes - Mild	Rabbit		24 hrs	-
	irritant				
Titanium dioxide	Skin - Mild	Human		72 hrs	-
	irritant				
Conclusion/Summary					
Skin		ixture.Not ful			
Eyes		ixture.Not ful			
Respiratory	: M	ixture.Not ful	ly tested.		
<u>Sensitization</u>					
Conclusion/Summary					
Skin		ixture.Not ful			
Respiratory	: M	ixture.Not ful	ly tested.		
Mutagenicity					
Conclusion/Summary	: M	ixture.Not ful	ly tested.		
Carcinogenicity					
Conclusion/Summary	: M	ixture.Not ful	ly tested.		
Classification					

Product/ingredient name	OSHA	IARC	NTP
Carbon black	-	2B	-
Silica, amorphous	-	3	-
Titanium dioxide	-	2B	-

Reproductive toxicity

Conclusion/Summary : Mixture.Not fully tested.

Teratogenicity

Conclusion/Summary : Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

Not available.

<u>PolyOne</u>

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 10 of 17 Print Date 11/08/2019

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	:	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,	chemi	cal and toxicological characteristics
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effects as	well as	s 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 Potential delayed effects	:	Not available. Not available.
	·	
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.

General Carcinogenicity	÷	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity Developmental effects	:	No known significant effects or critical hazards. No known significant effects or critical hazards.

<u>yOne</u>

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 11 of 17 Print Date 11/08/2019

Fertility effects

: 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				
Carbon black							
Remarks - Acute - Fish:	No applicable toxicity data						
	Acute EC50 37.563 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h				
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.:							
Silica, amorphous							
Remarks - Acute - Fish:	No applicable toxicity data						
Remarks - Acute - Aquatic	No applicable toxicity data	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.:							
Titanium dioxide							
	Acute LC50 > 1,000 Mg/l Marine water	Fish - Fish	96 h				
Remarks - Acute - Fish:	Acute						
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h				
Remarks - Acute - Aquatic invertebrates.:	Acute						
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates.	48 h				
	11/17						



BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 12 of 17 Print Date 11/08/2019

			Daphnia			
Remarks - Acute - Aquatic invertebrates.:	Acute					
Remarks - Acute - Aquatic	No applica	ble toxicity data				
plants:	L					
Remarks - Chronic - Fish:	<u> </u>	ble toxicity data				
Remarks - Chronic - Aquatic invertebrates.:	No applica	No applicable toxicity data				
BLUE SHADE LU2A CDB21	0					
Remarks - Acute - Aquatic	Chemicals	are not readily available as	they are bound w	vithin the po	lymer matrix.	
invertebrates.:	<u> </u>			1 1	141.4	
Conclusion/Summary	:	Chemicals are not readily polymer matrix.	v available as they	are bound	within the	
Persistence and degradability	ž					
Conclusion/Summary	:	Chemicals are not readily polymer matrix.	v available as they	are bound	within the	
<u>Bioaccumulative potential</u> Not available.						
<u>Mobility in soil</u>						
~	ent :	Not available.				
Soil/water partition coefficie (KOC)						

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
		12/17

<u>olyOne</u>

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 13 of 17 Print Date 11/08/2019

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 5(a)2 - Final significant new use rules: Not listed
	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: 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



BLUE SHADE LU2A CDB210

Version Number 1.1	Page 14 of 17
Revision Date 11/07/2019	Print Date 11/08/2019

pollutants: Listed Arsenic Chromium Nickel Zinc ferrite brown spinel (C.I. Pigment Yellow 119) United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Elammable substances: Not listed

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	•	1100 110000
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential 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
Carbon black	>= 0.3 - <= 1	CARCINOGENICITY - Category 2
Silica, amorphous	>= 1 - <= 3	EYE IRRITATION - Category 2B
Titanium dioxide	>= 25 - <= 50	CARCINOGENICITY - Category 2

SARA 313



BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 15 of 17 Print Date 11/08/2019

Form R - Reporting requirements

Product name	CAS number	%
Zinc ferrite brown spinel (C.I. Pigment Yellow 119)	68187-51-9	>= 3 - <= 5

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

State regulations	
Massachusetts	: None of the components are listed.
New York	: None of the components are listed.
New Jersey	: The following components are listed: Titanium dioxide
	Zinc ferrite brown spinel (C.I. Pigment Yellow 119)
	Carbon black
Pennsylvania	: The following components are listed:
	Silica, amorphous
	Aluminum hydroxide
	Carbon black
	Titanium dioxide
	Zinc ferrite brown spinel (C.I. Pigment Yellow 119)

California Prop. 65

WARNING: This product can expose you to chemicals including Carbon black, 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
Carbon black	-	-
Titanium dioxide	-	-

United States inventory (TSCA 8b)	:	All components are active or exempted.
-----------------------------------	---	--

:

Canada inventory

All components are listed or exempted.

International regulations



BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 16 of 17 Print Date 11/08/2019

Inventory list

Australia	: All componen	its are listed or exempted.
Canada	: All componen	its are listed or exempted.
China	: Not determine	ed.
Europe inventory	: All componen	its are listed or exempted.
Japan	: All componen	its are listed or exempted.
New Zealand	: Not determine	ed.
Philippines	: Not determine	ed.
Republic of Korea	: All componen	its are listed or exempted.
Taiwan	: All componen	its are listed or exempted.
Turkey	: Not determine	ed.
United States	: All component	its are active 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

Date of printing	:	11/08/2019
Date of issue/Date of revision	:	11/07/2019, 11/07/2019
Date of previous issue	:	12/27/2018
Version	:	1, 1.1, 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

BLUE SHADE LU2A CDB210

Version Number 1.1 Revision Date 11/07/2019 Page 17 of 17 Print Date 11/08/2019

Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations Not available.

References

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.

: