MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 1 of 16 Print Date 11/21/2018

SAFETY DATA SHEET

MET. BILLOWY BLUE UV

Section 1. Identification	on	
GHS product identifier		MET. BILLOWY BLUE UV
Chemical name		Mixture
CAS number		Mixture
Other means of identification	:	CC10173850
Product type	:	solid
<u>Relevant identified uses of the subs</u> Product use	tance	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.
		1/16

MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018

Page 2 of 16 Print Date 11/21/2018

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	:	CC10173850

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	5 - 10	13463-67-7
Poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-	3 - 5	Not available.
diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-		
hexanediyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino]]		

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

:

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.



MET. BILLOWY BLUE UV

Version Number 1.1	Page 3 of 16
Revision Date 05/21/2018	Print Date 11/21/2018

		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	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical atto	entio	n and special treatment needed, if necessary
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO_2 .
Unsuitable extinguishing media	:	None known.



MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 4 of 16 Print Date 11/21/2018

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	:	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
For emergency responders	:	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.

Section 7. Handling and storage



MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018

Page 5 of 16 Print Date 11/21/2018

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
Poly[[6-[(1,1,3,3-	
tetramethylbutyl)amino]-1,3,5-triazine-	
2,4-diyl][(2,2,6,6-tetramethyl-4-	
piperidinyl)imino]-1,6-	
hexanediyl[(2,2,6,6-tetramethyl-4-	
piperidinyl)imino]]	
Titanium dioxide	OSHA PEL 1989 (1989-03-01)
	PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust
	OSHA PEL (1993-06-30)
	PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust
	NIOSH REL (1994-06-01)
	ACGIH TLV (1996-05-18)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 10 mg/m3
Appropriate engineering controls :	Good general ventilation should be sufficient to control worker

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

MET. BILLOWY BLUE UV



Version Number 1.1 Revision Date 05/21/2018	Page 6 of 16 Print Date 11/21/2018
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	
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
Skin protection	higher degree of protection: safety glasses with side-shields.
Hand protection	: Chemical-resistant, impervious gloves complying with an approved
Body protection	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
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 involved and should be approved by a specialist before handling this product.
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

Physical state	solid [Pellets.]
Color	BLUE
Odor Odor threshold	Faint odor.Not available.

olyOne.

MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018

Page 7 of 16 Print Date 11/21/2018

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.
(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-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.

Section 10. Stability and reactivity

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



MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 8 of 16 Print Date 11/21/2018

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
Poly[[6-[(1,1,3,3-tetramethylbu	utyl)amino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-				
hexanediyl[(2,2,6,6-tetramethy	l-4-piperidinyl)imin	o]]			
	LD50 Oral	Rat	9,910 mg/kg	-	
	LC50 Inhalation	Rat	0.112 Mg/l	4 h	
Remarks - Dermal:	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

: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Poly[[6-[(1,1,3,3- tetramethylbutyl)amino]- 1,3,5-triazine-2,4- diyl][(2,2,6,6-tetramethyl-4- piperidinyl)imino]-1,6- hexanediyl[(2,2,6,6- tetramethyl-4- piperidinyl)imino]]	Skin - Mild irritant	Rabbit			-
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
Conclusion/Summary	1		1		
Skin		lixture.Not fu			
Eyes		lixture.Not fu			
Respiratory	: N	lixture.Not fu	lly tested.		
Sensitization					
Conclusion/Summary Skin		lixture.Not fu	lly tostad		
Respiratory		fixture.Not fu			
Respirator y	• 10		illy tested.		
Mutagenicity					
Conclusion/Summary	: N	lixture.Not fu	lly tested.		
Carcinogenicity					
		0/1	2		



MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 9 of 16 Print Date 11/21/2018

Conclusion/Summary Classification	: 1	Mixture.Not fu	lly tested.
Product/ingredient name	OSHA	IARC	NTP
Titanium dioxide		2B	
<u>Reproductive toxicity</u>			
Conclusion/Summary	: 1	Mixture.Not fu	lly tested.
Teratogenicity			
Conclusion/Summary	: 1	Mixture.Not fu	lly tested.
Specific target organ toxicity Not available.	y (single expos	<u>ure)</u>	
Specific target organ toxicity Not available.	y (repeated ex	posure)	
Aspiration hazard Not available.			
Information on likely routes exposure	of : 1	Not available.	
Potential acute health effects			
Eye contact	: 1	No known sign	ificant effects or critical hazards.
Inhalation			ificant effects or critical hazards.
Skin contact			ificant effects or critical hazards.
Ingestion	: 1	No known sign	ificant effects or critical hazards.
Symptoms related to the phy	sical, chemica	l and toxicolog	gical characteristics
Eye contact	: 1	No specific dat	a.
Inhalation		No specific dat	
Skin contact		No specific dat	
Ingestion		No specific dat	
Delayed and immediate effec	ts as well as cl	hronic effects	from short and long-term exposure
Short term exposure			
Potential immediate effects	: 1	Not available.	
		0/4/	

MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 <u>PolyOne</u>

Page 10 of 16 Print Date 11/21/2018

Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Poly[[6-[(1,1,3,3-tetramethylbu	utyl)amino]-1,3,5-triazine-2,4-diyl][(2,	2,6,6-tetramethyl-4-pip	peridinyl)imino]-1,6-
hexanediyl[(2,2,6,6-tetramethy	l-4-piperidinyl)imino]]		
Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic invertebrates.:	No applicable toxicity data		
Remarks - Acute - Aquatic plants:	No applicable toxicity data		
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic - Aquatic invertebrates.:	No applicable toxicity data		
Titanium dioxide			
	Acute LC50 > 1,000 Mg/l Marine water	Fish - Fish	96 h



MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 11 of 16 Print Date 11/21/2018

Acute LC50 3 Mg/l Fresh water Aquatic invertebrates. Crustaceans 48 h Remarks - Acute - Aquatic invertebrates.: Acute 48 h Remarks - Acute - Aquatic invertebrates.: No applicable toxicity data 48 h Remarks - Chronic - Aquatic invertebrates.: No applicable toxicity data	Remarks - Acute - Fish:	Acute			
Remarks - Acute - Aquatic invertebrates.: Acute Remarks - Acute - Aquatic invertebrates.: Acute Remarks - Acute - Aquatic invertebrates.: Acute Remarks - Acute - Aquatic invertebrates.: No applicable toxicity data Remarks - Chronic - Aquatic invertebrates.: No applicable toxicity data Remarks - Chronic - Aquatic invertebrates.: No applicable toxicity data MET. BILLOWY BLUE UV Remarks - Acute - Aquatic invertebrates.: Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available.		Acute LC50	3 Mg/l Fresh water	1	48 h
invertebrates: Acute LC50 6.5 Mg/l Fresh water Aquatic invertebrates. 48 h Remarks - Acute - Aquatic invertebrates: Acute Daphnia 48 h Remarks - Acute - Aquatic plants: No applicable toxicity data Impertebrates. Impertebrates. Remarks - Chronic - Fish: No applicable toxicity data Impertebrates. Impertebrates. Impertebrates. MET. BILLOWY BLUE UV Remarks - Acute - Aquatic invertebrates.: Impertebrates. Impertebrates. Impertebrates. MET. BILLOWY BLUE UV Remarks - Acute - Aquatic invertebrates.: Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability Impertebrates. Impertebrates. Impertebrates. Conclusion/Summary Impertebrates. Impertebrates. Impertebrates. Bioaccumulative potential Impertebrates. Impertebrates. Impertebrates. Bioaccumulative potential Impertebrates. Impertebrates. Impertebrates. Impertebrates. Metro available. Impertebrates. Impertebrates. Impertebrates. Impertebrates. Impertebrates. Remarks - Chronic - States. Impertebrates. Imperetbrates. Imperetbrates. <th></th> <th></th> <th></th> <th>Crustaceans</th> <th></th>				Crustaceans	
Acute LC50 6.5 Mg/l Fresh water Aquatic invertebrates. 48 h Remarks - Acute - Aquatic invertebrates.: Acute Daphnia 48 h Remarks - Acute - Aquatic plants: No applicable toxicity data Daphnia 48 h Remarks - Chronic - Fish: No applicable toxicity data No applicable toxicity data No applicable toxicity data Remarks - Chronic - Aquatic invertebrates.: No applicable toxicity data No applicable toxicity data MET, BILLOWY BLUE UV Remarks - Acute - Aquatic invertebrates.: Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available. Not available.	-	Acute			
Remarks - Acute - Aquatic invertebrates.: Acute Remarks - Chronic - Fish: No applicable toxicity data Remarks - Chronic - Fish: No applicable toxicity data Remarks - Chronic - Remarks - Chronic - Aquatic invertebrates.: No applicable toxicity data MET. BILLOWY BLUE UV Remarks - Aquatic invertebrates.: No applicable toxicity data MET. BILLOWY BLUE UV Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential : Chemicals are not readily available as they are bound within the polymer matrix.	invertebrates.:				40.1
Remarks - Acute - Aquatic invertebrates.: Acute Remarks - Acute - Aquatic plants: No applicable toxicity data Remarks - Chronic - Fish: No applicable toxicity data Remarks - Chronic - Fish: No applicable toxicity data Aquatic invertebrates.: No applicable toxicity data MET. BILLOWY BLUE UV Remarks - Acute - Aquatic invertebrates.: Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available.		Acute LC50	6.5 Mg/l Fresh water	1	48 h
invertebrates.:Remarks - Acute - Aquatic plants:No applicable toxicity dataRemarks - Chronic - Fish: Aquatic invertebrates.:No applicable toxicity dataMET. BILLOWY BLUE UVChemicals are not readily available as they are bound within the polymer matrix.Persistence and degradability Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Bioaccumulative potential Not available.:		A		Dapinna	
Remarks - Acute - Aquatic plants: No applicable toxicity data Remarks - Chronic - Fish: No applicable toxicity data Remarks - Chronic - Aquatic invertebrates.: No applicable toxicity data MET. BILLOWY BLUE UV Remarks - Aquatic invertebrates.: Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available. : Chemicals are not readily available as they are bound within the polymer matrix.	-	Acute			
plants:nRemarks - Chronic - Fish:No applicable toxicity dataRemarks - Chronic - Aquatic invertebrates::No applicable toxicity dataMET. BILLOWY BLUE UVImage: Chemicals are not readily available as they are bound within the polymer matrix.Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Persistence and degradability:Chemicals are not readily available as they are bound within the polymer matrix.Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Bioaccumulative potential Not available.:Chemicals are not readily available as they are bound within the polymer matrix.		No applicable	a toxicity data		
Remarks - Chronic - Fish: No applicable toxicity data Remarks - Chronic - No applicable toxicity data Aquatic invertebrates.: No applicable toxicity data MET. BILLOWY BLUE UV Remarks - Acute - Aquatic invertebrates.: Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential K Chemicals are not readily available as they are bound within the polymer matrix.	1	No applicable	c toxicity data		
No applicable toxicity data Aquatic invertebrates.: MET. BILLOWY BLUE UV Remarks - Acute - Aquatic invertebrates.: Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential : Chemicals are not readily available as they are bound within the polymer matrix.	1	No applicable	e toxicity data		
Aquatic invertebrates.: Image: Conclusion/Summary Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available.		* *			
MET. BILLOWY BLUE UV Chemicals are not readily available as they are bound within the polymer matrix. Remarks - Acute - Aquatic invertebrates.: Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential : Chemicals are not readily available as they are bound within the polymer matrix.		rto application	e toxicity data		
Remarks - Acute - Aquatic invertebrates.:Chemicals are not readily available as they are bound within the polymer matrix.Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Persistence and degradability:Chemicals are not readily available as they are bound within the polymer matrix.Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Bioaccumulative potential Not available.:Chemicals are not readily available as they are bound within the polymer matrix.					
invertebrates.: Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Persistence and degradability : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available. : Chemicals are not readily available as they are bound within the polymer matrix.		Chemicals ar	e not readily available as	s they are bound within the	e polymer matrix.
Persistence and degradability Employmer matrix. Conclusion/Summary Image: Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary Image: Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available. Image: Hemicals are not readily available as they are bound within the polymer matrix.	-		,	,	1 5
Persistence and degradability Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available. : Vertical is a stress of the polymer matrix.	Conclusion/Summary	: (Chemicals are not readily	y available as they are bou	nd within the
Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Conclusion/Summary:Chemicals are not readily available as they are bound within the polymer matrix.Bioaccumulative potential Not available.:Chemicals are not readily available as they are bound within the polymer matrix.	·	I	oolymer matrix.		
Conclusion/Summary : Chemicals are not readily available as they are bound within the polymer matrix. Bioaccumulative potential Not available. : Not available.	Persistence and degradability	<u>7</u>			
polymer matrix. <u>Bioaccumulative potential</u> Not available.	Conclusion/Summary			y available as they are bou	nd within the
Not available.	Conclusion/Summary			y available as they are bou	nd within the
Mobility in soil					
	Mobility in soil				
Soil/water partition coefficient : Not available.	Soil/water partition coefficie	ent : N	Not available.		
(KOC)	(KOC)				
Other adverse effects : No known significant effects or critical hazards.	Other adverse effects	: 1	No known significant eff	fects 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

Une

MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 12 of 16 Print Date 11/21/2018

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

:	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
	:

PolyOne.

MET. BILLOWY BLUE UV

Version Number 1.1	Page 13 of 16
Revision Date 05/21/2018	Print Date 11/21/2018

		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(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: Not listed 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:
		United States - Department of commerce - Precursor chemical: Not listed
Act Section 112(b)	:	Listed

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

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

Not applicable.

:

Composition/information on ingredients

Name	%	Classification
Poly[[6-[(1,1,3,3-	3 - 5	AH
tetramethylbutyl)amino]-1,3,5-		
triazine-2,4-diyl][(2,2,6,6-		
tetramethyl-4-piperidinyl)imino]-		
1,6-hexanediyl[(2,2,6,6-		
tetramethyl-4-piperidinyl)imino]]		



MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 14 of 16 Print Date 11/21/2018

Titanium dioxide	5 - 10	СН

<u>SARA 313</u>

	Product name	CAS number	%
Form R - Reporting	Aluminum	7429-90-5	10 - 25
requirements			
Supplier notification	Aluminum	7429-90-5	10 - 25

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: Aluminum Titanium dioxide
Pennsylvania	:	Talc The following components are listed: Aluminum
		Titanium dioxide

Talc

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

United States inventory (TSCA 8b)	:	All components are listed or exempted.		
Canada inventory	:	Not determined.		
International regulations				
Inventory list				
Australia	:	Not determined.		
Canada	:	Not determined.		
China	:	Not determined.		
Europe inventory	:	Not determined.		
Japan	:	Not determined.		
New Zealand	:	Not determined.		
Philippines	:	Not determined.		
		14/16		

MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 15 of 16 Print Date 11/21/2018

Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

Section 16. Other information

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



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>IIIStol y</u>		
Date of printing	:	11/21/2018
Date of issue/Date of revision	:	05/21/2018
Date of previous issue	:	12/14/2012
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)
		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

)ne

MET. BILLOWY BLUE UV

Version Number 1.1 Revision Date 05/21/2018 Page 16 of 16 Print Date 11/21/2018

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.