## **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 1 of 15 Print Date 12/07/2017

# SAFETY DATA SHEET

### **TPU ONANON BLUE 283C**

Section 1. Identification	n	
GHS product identifier Chemical name CAS number Other means of identification	:	TPU ONANON BLUE 283C Mixture Mixture CC10274406
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	:	<b>POLYONE CORPORATION</b> 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.
		1/15

## **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 2 of 15 Print Date 12/07/2017

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	:	CC10274406

### CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	0 - 5	13463-67-7

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

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

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

## Section 4. First aid measures

#### **Description of necessary first aid measures**

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
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

<u>vOne</u>

# **TPU ONANON BLUE 283C**

Version Number 1.0	Page 3 of 15
Revision Date 12/05/2017	Print Date 12/07/2017

		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 Skin contact Ingestion	: : :	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical at	tentio	n 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)

# **Section 5. Firefighting measures**

### Extinguishing media

Suitable extinguishing media In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>. :

P<u>olyOne</u>

# **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 4 of 15 Print Date 12/07/2017

Unsuitable extinguishing media	:	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 containme	nt ar	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.



# **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017

### Page 5 of 15 Print Date 12/07/2017

# 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)	
	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	
	Fermissible Exposure Level 10 mg/m3	
Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	
Environmental exposure controls	: Emissions from ventilation or work process equipment should be	
	checked to ensure they comply with the requirements of	
	environmental protection legislation. In some cases, fume scrubbers	
	filters or engineering modifications to the process equipment will be	e
	E/1 E	

# **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017



Page 6 of 15 Print Date 12/07/2017

		necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

• •

# Section 9. Physical and chemical properties

### **Appearance**

Physical state	:	solid [Pellets.]
Color	:	BLUE
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.

Ine

## **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 7 of 15 Print Date 12/07/2017

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.
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**

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure



# **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 8 of 15 Print Date 12/07/2017

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/Summany	Minto	no Not fully tostad		

Conclusion/Summary

: Mixture.Not fully tested.

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
Conclusion/Summary	IIItant				
Skin	: N	/lixture.Not fu	Illy tested.		
Eyes		/ixture.Not fu			
Respiratory	: N	lixture.Not fu	illy tested.		
<b>Sensitization</b>					
Conclusion/Summary					
Skin		/lixture.Not fu			
Respiratory	: N	lixture.Not fu	illy tested.		
<b>Mutagenicity</b>					
Conclusion/Summary	: N	/lixture.Not fu	ally tested.		
<b>Carcinogenicity</b>					
Conclusion/Summary	: N	/lixture.Not fu	Illy tested.		
Classification					
Product/ingredient name	OSHA	IARC	NTP		
Titanium dioxide		2B			
<b>Reproductive toxicity</b>					
Conclusion/Summary	: N	/lixture.Not fu	Illy tested.		
<b>Teratogenicity</b>					
Conclusion/Summary	: N	lixture.Not fu	illy tested.		
Specific target organ toxici Not available.	ty (single exposi	<u>ıre)</u>			

<u>PolyOne</u>

# **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 9 of 15 Print Date 12/07/2017

<b>Specific target organ toxicity (repo</b> Not available.	eated	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 w	vell as	chronic effects from short and long-term exposure
<u>Delayed and immediate effects as v</u> <u>Short term exposure</u>	vell as	chronic effects from short and long-term exposure
Short term exposure		
	vell as	
<u>Short term exposure</u> Potential immediate effects	:	Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects <u>Long term exposure</u>	:	Not available. Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects	:	Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects	::	Not available. Not available. Not available.
<u>Short term exposure</u> Potential immediate effects Potential delayed effects <u>Long term exposure</u> Potential immediate effects Potential delayed effects	::	Not available. Not available. Not available.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effects	:::	Not available. Not available. Not available. Not available.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effectsPotential chronic health effectsConclusion/SummaryGeneral Carcinogenicity	:::::::::::::::::::::::::::::::::::::::	Not available. Not available. Not available. Not available. Mixture.Not fully tested.
Short term exposurePotential immediate effects Potential delayed effectsLong term exposurePotential immediate effects Potential delayed effectsPotential chronic health effects Conclusion/Summary General	:::::::::::::::::::::::::::::::::::::::	Not available. Not available. Not available. Not available. Mixture.Not fully tested. No known significant effects or critical hazards.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effectsPotential chronic health effectsConclusion/SummaryGeneral Carcinogenicity Mutagenicity Teratogenicity	:::::::::::::::::::::::::::::::::::::::	Not available. Not available. Not available. Not available. Mixture.Not fully tested. Mo known significant effects or critical hazards. No known significant effects or critical hazards.
Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effectsPotential chronic health effectsConclusion/SummaryGeneral Carcinogenicity Mutagenicity	:::::::::::::::::::::::::::::::::::::::	Not available. Not available. Not available. Not available. Mixture.Not fully tested. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

<u>vOne</u>

# **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 10 of 15 Print Date 12/07/2017

Numerical measures of toxicity

Acute toxicity estimates

Not available.

# Section 12. Ecological information

**Toxicity** 

Product/ingredient name	Result	Species	Exposure	
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. Daphnia	48 h	
Remarks - Acute - Aquatic invertebrates.:	Acute			
Remarks - Acute - Aquatic plants:	No applicable toxicity data			
Remarks - Chronic - Fish:	No applicable toxicity data			
Remarks - Chronic - Aquatic invertebrates.:	No applicable toxicity data			
TPU ONANON BLUE 283C				
Remarks - Acute - Aquatic invertebrates.:	Chemicals are not readily available a	as they are bound within the	e polymer matrix.	
Conclusion/Summary	: Chemicals are not readi polymer matrix.	ly available as they are bou	ind within the	
Persistence and degradability	<u>v</u>			
Conclusion/Summary	: Chemicals are not readi polymer matrix.	ly available as they are bou	ind within the	
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.			
	10/15			

## **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 11 of 15 Print Date 12/07/2017

### **Bioaccumulative potential**

Not available.

#### Mobility in soil

Soil/water partition coefficient (KOC) Other adverse effects Not available.

:

:

No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** 

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

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

# Section 14. Transport information

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

<u>PolyOne</u>

# **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 12 of 15 Print Date 12/07/2017

# 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
		<b>United States - TSCA 5(a)2 - Proposed significant new use rules:</b> Not listed
		United States - TSCA 5(e) - Substances consent order: Not listed
		United States - TSCA 6 - Final risk management: Not listed
		United States - TSCA 6 - Proposed risk management: Not listed
		United States - TSCA 8(a) - Chemical risk rules: Not listed
		United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed
		United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined
		United States - TSCA 8(a) - Preliminary assessment report
		(PAIR): Not listed
		United States - TSCA 8(c) - Significant adverse reaction (SAR):
		Not listed
		United States - TSCA 8(d) - Health and safety studies: Not listed
		United States - EPA Clean water act (CWA) section 307 - Priority
		pollutants: Listed Phthalocyanine green
		Phthalocyanine Blue
		i initialocyalinite Diac
		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 - 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)	:	Not listed
Hazardous Air Pollutants (HAPs)		
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II	:	Not listed
Substances DEA List I Chemicals (Precursor	:	Not listed

)ne

## **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 13 of 15 Print Date 12/07/2017

Chemicals) DEA List II Chemicals (Essential : Not listed Chemicals)

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

not applicable

SARA 311/312

Classification

: Not applicable.

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

Name	%	Classification
Titanium dioxide	0 - 5	СН

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

Not applicable.

State regulations				
Massachusetts	:	None of the components are listed.		
New York	:	None of the components are listed.		
New Jersey	:	The following components are listed:		
		Phthalocyanine Blue		
		Titanium dioxide		
Pennsylvania	:	The following components are listed:		
		Titanium dioxide		
		Phthalocyanine Blue		
<u>California Prop. 65</u>				
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	:	All components are listed or exempted.		
<b>T</b> ( <b>1 1</b> (				
International regulations				
Terroratore list				
<u>Inventory list</u>				
Australia	:	All components are listed or exempted.		
Canada	:	All components are listed or exempted.		
China	:	All components are listed or exempted.		
Europe inventory	:	All components are listed or exempted.		
13/15				
13/13				

## **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 14 of 15 Print Date 12/07/2017

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

## **Section 16. Other information**

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

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

<u>Illstol y</u>		
Date of printing	:	12/07/2017
Date of issue/Date of revision	:	12/05/2017
Date of previous issue	:	00/00/0000
Version	:	1.0
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 = International A
References	:	Not available.
Notice to reader		

ne

## **TPU ONANON BLUE 283C**

Version Number 1.0 Revision Date 12/05/2017 Page 15 of 15 Print Date 12/07/2017

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.