ne

Version Number 1.1 Revision Date 04/21/2015 Page 1 of 16 Print Date 04/22/2015

SAFETY DATA SHEET

TITANIUM 3

Section 1. Identification	n	
GHS product identifier	:	TITANIUM 3
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC10192380
Product type	:	solid
Relevant identified uses of the substa	ance	or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
Supplier's details	:	POLYONE CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure
(with hours of operation)		or accident).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



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1 Revision Date 04/21/2015 Page 2 of 16 Print Date 04/22/2015

Signal word Hazard statements	:	No signal word. 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	:	CC10192380

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	5 - 10	13463-67-7
2-Propenoic acid, 2-methyl-, methyl ester	0.1 - 1	80-62-6

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



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1	Page 3 of 16
Revision Date 04/21/2015	Print Date 04/22/2015

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	: No known significant effects or critical hazards.
Inhalation	Exposure to decomposition products may cause a health hazard.
	Serious effects may be delayed following exposure.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symptoms	
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate medical a	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.
Sectorical information (Sec	stion 11)

See toxicological information (Section 11)



Version Number 1.1 Revision Date 04/21/2015 Page 4 of 16 Print Date 04/22/2015

Section 5. Fire-fighting 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 specialised 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	ent 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.



Version Number 1.1 Revision Date 04/21/2015

Page 5 of 16 Print Date 04/22/2015

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) 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 ACGIH TLV (1996-05-18) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m3



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1 Revision Date 04/21/2015 Page 6 of 16 Print Date 04/22/2015

2-Propenoic acid, 2-methyl-, methyl ester	OSHA PEL 1989 (1989-03-01)PEL: Permissible Exposure Level 410 mg/m3 100 ppmOSHA PEL (1993-06-30)PEL: Permissible Exposure Level 410 mg/m3 100 ppmNIOSH REL (1994-06-01)Time Weighted Average (TWA) 410 mg/m3 100 ppmACGIH TLV (2000-03-01)TLV-TWA: Threshold Limit Value - Time weighted average PEL:Permissible Exposure Level 50 ppmTLV-STEL: Threshold Limit Value - Short Time Exposure Level100 ppm
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 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

6/16

ne

SAFETY DATA SHEET TITANIUM 3

Version Number 1.1 Revision Date 04/21/2015

Respiratory protection

Page 7 of 16 Print Date 04/22/2015

involved and should be approved by a specialist before handling this product.

: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state	:	solid [Pellets.]
Color	:	GREY
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(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.



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1				
Revision Date	04/21/2015			

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
Titanium dioxide				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
2-Propenoic acid, 2-methyl-,	methyl ester			
	LD50 Oral	Rat	7,872 mg/kg	-
	LC50 Inhalation	Rat	78 mg/l	4 h
	LD50 Dermal	Rabbit	5,000 mg/kg	-
Conclusion/Summary	: Mixtu	re.Not fully tested.	· · · ·	÷
Irritation/Corrosion				
Conclusion/Summary Skin Eyes	: Mixtu	re.Not fully tested. re.Not fully tested. re.Not fully tested.		
Conclusion/Summary Skin Eyes Respiratory	: Mixtu	2		
Conclusion/Summary Skin Eyes Respiratory <u>Sensitization</u>	: Mixtu	re.Not fully tested.		
Conclusion/Summary Skin Eyes Respiratory <u>Sensitization</u> Conclusion/Summary	: Mixtu : Mixtu	re.Not fully tested. re.Not fully tested.		
Conclusion/Summary Skin Eyes Respiratory <u>Sensitization</u>	: Mixtu : Mixtu : Mixtu	re.Not fully tested.		

Mutagenicity



Version Number 1.1				
Revision Date	04/21/2015			

Page 9 of 16 Print Date 04/22/2015

Conclusion/Summary	:	Mixture.Not	fully tested.		
Carcinogenicity					
Conclusion/Summary Classification	:	Mixture.Not	fully tested.		
Product/ingredient name	OSHA	IARC	NTP		
Titanium dioxide		2B			
2-Propenoic acid, 2-		3			
methyl-, methyl ester					
<u>Reproductive toxicity</u>					
Conclusion/Summary	:	Mixture.Not	fully tested.		
Teratogenicity					
Conclusion/Summary	:	Mixture.Not	fully tested.		
Specific target organ toxicity	y (single expos	sure)			
Product/ingredient name	Category		Route of exposure	Target organs	
	C			D	
2-Propenoic acid, 2-methyl-,	Category 3			Respiratory tract irritation	
2-Propenoic acid, 2-methyl-, methyl ester	Category 3			Respiratory tract irritation	
		posure)		Respiratory tract irritation	
methyl ester Specific target organ toxicity		posure)		Respiratory tract irritation	
methyl ester <u>Specific target organ toxicity</u> Not available. <u>Aspiration hazard</u>	y (repeated ex	posure) Not available		Respiratory tract irritation	
methyl ester Specific target organ toxicity Not available. Aspiration hazard Not available. Information on the likely rou	y (repeated ex		<u>.</u>	Respiratory tract irritation	
methyl ester Specific target organ toxicity Not available. Aspiration hazard Not available. Information on the likely rou exposure Potential acute health effects	y (repeated ex ites of :	Not available			
methyl ester Specific target organ toxicity Not available. Aspiration hazard Not available. Information on the likely rou exposure	y (repeated ex ites of :	Not available No known si	gnificant effects or criti		
methyl ester Specific target organ toxicity Not available. Aspiration hazard Not available. Information on the likely row exposure Potential acute health effects Eye contact Inhalation	v (repeated ex ntes of :	Not available No known si Exposure to 6 Serious effec	gnificant effects or criti decomposition products ts may be delayed follo	cal hazards. 5 may cause a health hazard. wing exposure.	
methyl ester Specific target organ toxicity Not available. Aspiration hazard Not available. Information on the likely row exposure Potential acute health effects Eye contact Inhalation Skin contact	v (repeated ex ntes of :	Not available No known si Exposure to Serious effec No known si	gnificant effects or criti decomposition products ts may be delayed follo gnificant effects or criti	cal hazards. s may cause a health hazard. wing exposure. cal hazards.	
methyl ester Specific target organ toxicity Not available. Aspiration hazard Not available. Information on the likely row exposure Potential acute health effects Eye contact Inhalation	v (repeated ex ntes of :	Not available No known si Exposure to Serious effec No known si	gnificant effects or criti decomposition products ts may be delayed follo	cal hazards. s may cause a health hazard. wing exposure. cal hazards.	
methyl ester Specific target organ toxicity Not available. Aspiration hazard Not available. Information on the likely row exposure Potential acute health effects Eye contact Inhalation Skin contact	y (repeated ex ites of :	Not available No known si Exposure to Serious effec No known si No known si	gnificant effects or criti decomposition products ts may be delayed follo gnificant effects or criti gnificant effects or criti	cal hazards. s may cause a health hazard. wing exposure. cal hazards. cal hazards.	

9/16



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1 Revision Date 04/21/2015 Page 10 of 16 Print Date 04/22/2015

Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effects an	d also	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	:	Not available.
Potential delayed effects	:	Not available.

:

:

:

:

:

:

:

Potential chronic health effects

Conclusion/Summary

General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium dioxide			
	Acute LC50 > 1,000,000 μg/l	Fish - Mummichog	96 h
	Marine water	_	
	Acute LC50 > 1,000 mg/l Fresh	Fish - Fathead minnow	96 h

Mixture.Not fully tested.

No known significant effects or critical hazards.



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1 Revision Date 04/21/2015 Page 11 of 16 Print Date 04/22/2015

	water		
	Acute LC50 13 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute LC50 6.5 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 19.3 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 27.8 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 35.306 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
2-Propenoic acid, 2-methyl-, n	nethyl ester		
	Acute LC50 159,100 µg/l Fresh water	Fish - Fathead minnow	96 h
	Acute LC50 191,000 µg/l Fresh water	Fish - Bluegill	96 h
	Acute LC50 130,000 µg/l Fresh water	Fish - Fathead minnow	96 h
	Acute LC50 150,000 µg/l Fresh water	Fish - Fathead minnow	96 h
	Acute LC50 160,200 µg/l Fresh water	Fish - Fathead minnow	96 h
TITANIUM 3			
Remarks - Acute - Aquatic invertebrates.:	Chemicals are not readily available a	as they are bound within the	polymer matrix.
Conclusion/Summary	: Chemicals are not readil polymer matrix.	ly available as they are bour	nd within the
Persistence and degradability	<u>v</u>		
Conclusion/Summary	: Chemicals are not readil polymer matrix.	ly available as they are bour	nd within the
Conclusion/Summary	: Chemicals are not readil polymer matrix.	ly available as they are bour	nd within the

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Titanium dioxide		352.00	low
2-Propenoic acid, 2-methyl-,	1.38	-	low
methyl ester			

Mobility in soil



Version Number 1.1 Revision Date 04/21/2015

Page 12 of 16 Print Date 04/22/2015

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

Section 13. Disposal considerations

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

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

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

Section 14. Transport information

U.S. DOT Classification	:	Not regulated for transportation.
ICAO/IATA	:	Not classified as dangerous good under transport regulations.
IMO/IMDG (maritime)	:	Not classified as dangerous good 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:



Version Number	er 1.1
Revision Date	04/21/2015

Page 13 of 16 Print Date 04/22/2015

		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(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: 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 - Flammable 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) Hazardous Air Pollutants (HAPs) Clean Air Act Section 602 Class I	:	Not listed
Substances	•	Not listed
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed
US. EPA CERCLA Hazardous Subs	stanc	es (40 CFR 302)
not applicable SARA 311/312		

Classification

Not applicable.

:

Composition/information on ingredients

Name	%	Classification
	13/16	



Version Number 1.1 Revision Date 04/21/2015 Page 14 of 16 Print Date 04/22/2015

Titanium dioxide	5 - 10	СН
2-Propenoic acid, 2-methyl-, methyl ester	0.1 - 1	F, AH

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Aluminum	7429-90-5	10 - 30
	White mineral oil	8042-47-5	1 - 5
Supplier notification	Aluminum	7429-90-5	10 - 30
	White mineral oil	8042-47-5	1 - 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	:	The following components are listed: Aluminum Mica Titanium dioxide
New York	:	The following components are listed: White mineral oil
New Jersey Pennsylvania	:	The following components are listed: Aluminum Mica Titanium dioxide White mineral oil The following components are listed: Aluminum
		Titanium dioxide
		White mineral oil
<u>California Prop. 65</u> WARNING: This product contains a	chemi	cal known to the State of California to cause cancer.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	Not determined.
		14/16



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1 Revision Date 04/21/2015 Page 15 of 16 Print Date 04/22/2015

International regulations

International lists	:	 Australia inventory (AICS): Not determined. Taiwan inventory (CSNN): Not determined. Malaysia Inventory (EHS Register): Not determined. EINECS: All components are listed or exempted. Japan inventory: Not determined. China inventory (IECSC): Not determined. Korea inventory: Not determined. New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): Not determined.
Chemical Weapons Convention List Schedule I Chemicals	:	Not listed
Chemical Weapons Convention List Schedule II Chemicals	:	Not listed
Chemical Weapons Convention List Schedule III Chemicals	:	Not listed

Section 16. Other information

History		
Date of printing	:	04/22/2015
Date of issue/Date of revision	:	04/21/2015
Date of previous issue	:	01/03/2014
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 $73/78$ = International Convention for the Prevention of Pollution
		From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		UN = United Nations
References	:	Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the



SAFETY DATA SHEET TITANIUM 3

Version Number 1.1 Revision Date 04/21/2015 Page 16 of 16 Print Date 04/22/2015

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.