MB1767A TAUPE WL5

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SAFETY DATA SHEET

MB1767A TAUPE WL5

Section 1. Identification		
GHS product identifier Chemical name CAS number Other means of identification Product type	:::::::::::::::::::::::::::::::::::::::	MB1767A TAUPE WL5 Mixture Mixture FO20010097 liquid
Relevant identified uses of the subs	tance	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 (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure 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 for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants 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. See sections 8 and 11 for special precautions. 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.

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



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Signal word	:	No signal word.
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	:	FO20010097

CAS number/other identifiers

Ingredient name	%	CAS number
Diundecyl phthalate	1 - 5	3648-20-2
Titanium dioxide	0.1 - 1	13463-67-7
Antimony trioxide	0.1 - 1	1309-64-4

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

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

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

Section 4. First aid measures



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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.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects		
Eye contact Inhalation Skin contact Ingestion <u>Over-exposure signs/symptoms</u>	::	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Eye contact Inhalation Skin contact Ingestion	::	No specific data. No specific data. No specific data. No specific data.
Indication of immediate medical at	tentio	on and special treatment needed, if necessary
Notes to physician Specific treatments	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

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Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO_2 . None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds
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 containm	ent ai	nd cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Prevent
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entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). 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
	NIOSH REL (1994-06-01)
	ACGIH TLV (1996-05-18)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:



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	Permissible Exposure Level 10 mg/m3
Antimony trioxide	OSHA PEL (1993-06-30) expressed as Sb PEL: Permissible Exposure Level 0.5 mg/m3 NIOSH REL (1994-06-01) expressed as Sb Time Weighted Average (TWA) 0.5 mg/m3 OSHA PEL 1989 (1989-03-01) expressed as Sb PEL: Permissible Exposure Level 0.5 mg/m3 ACGIH TLV (1994-09-01)
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	: 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

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

Respiratory protection

Use a properly fitted, air-purifying or air-fed 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	:	liquid [liquid]
Color	:	GREY
Odor	:	Not available.
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	:	Not available.
Partition coefficient: n-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: 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
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Possibility of hazardous reactions	:	Section 7). Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid Incompatible materials	:	Keep away from extreme heat and oxidizing agents. Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
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	-	
Antimony trioxide					
	LD50 Oral	Rat	34,000 mg/kg	-	
Conclusion/Summary	/Summary : Mixture.Not fully tested.				

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation		
Diundecyl phthalate	Eyes - Mild	Rabbit			-		
	irritant						
Antimony trioxide	Eyes - Mild	Rabbit			-		
	irritant						
Conclusion/Summary							
Skin	: M	ixture.Not full	y tested.				
Eyes	: M	: Mixture.Not fully tested.					
Respiratory	: Mixture.Not fully tested.						
Sensitization							
Conclusion/Summary							
Skin	: M	ixture.Not full	y tested.				
Respiratory	: M	ixture.Not full	y tested.				

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Mutagenicity				
Conclusion/Summary	:	Mixture.Not fu	ully tested.	
Carcinogenicity				
Conclusion/Summary <u>Classification</u>	:	Mixture.Not fi	ully tested.	
	OSHA	IARC	NTP	
name				
Titanium dioxide		2B		
Antimony trioxide		2B		
<u>Reproductive toxicity</u>				
Conclusion/Summary	:	Mixture.Not fu	ully tested.	
Teratogenicity				
Conclusion/Summary	:	Mixture.Not fo	ully tested.	
Specific target organ toxicity (Not available.	single exp	osure)		
Specific target organ toxicity Not available.	repeated e	exposure)		
Aspiration hazard Not available.				
Information on the likely route exposure	es of 🛛 :	Not available.		
Potential acute health effects				
Eye contact	:	No known sig	nificant effects or critical hazards.	
Inhalation	:		nificant effects or critical hazards.	
Skin contact	:	No known sig	nificant effects or critical hazards.	
Ingestion	:	No known sig	nificant effects or critical hazards.	
Symptoms related to the physi	cal, chemio	cal and toxicolo	ogical characteristics	
Eye contact	:	No specific da	ta.	
Inhalation	:	No specific da		
Skin contact		No specific da		
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Ingestion	:	No specific data.
Delayed and immediate effects and a	lso c	chronic effects from short and long term exposure
Short term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects	::	No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	10,911.8 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Diundecyl phthalate			
	Acute EC50 12 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
	Acute EC50 15 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
	Chronic No-observable-effect-	Aquatic invertebrates.	21 d
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Conclusion/Summary	: Not available.		
Correlation /S	concentration 200 µg/l Fresh water		
		Aquatic plants - Algae	4 a
	Acute EC50 740 µg/I Fresh water Acute No-observable-effect-	Aquatic plants - Algae	4 d
	Acute EC50 760 µg/l Fresh water Acute EC50 740 µg/l Fresh water	Aquatic plants - Algae Aquatic plants - Algae	96 h 96 h
	Acute EC50 730 µg/l Fresh water	Aquatic plants - Algae	72 h 96 h
	A puto EC50 720 ··· o/l Erroch and the	Crustacean Order	72 h
	Acute EC50 560 mg/l Fresh water	Aquatic invertebrates.	48 h
	water	Daphnia	40.1
	Acute EC50 423,450 µg/l Fresh	Aquatic invertebrates.	48 h
	Marine water		40.1
	Acute LC50 > 1,000,000 μg/l	Fish - Fish	96 h
	Acute LC50 > 530 mg/l Fresh water	11811 - 11811	2011
Antimony trioxide	A cuto $LC50 > 520 \text{ mg/l Fresh}$	Fish - Fish	96 h
<u>A mating a mar ani ani da</u>		Crustacean Order	<u> </u>
	Acute LC50 13.4 mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustacean Order	
	Acute LC50 11 mg/l Fresh water	Aquatic invertebrates.	48 h
	Acute Leso 5.6 mg/1 Fresh water	Crustacean Order	+0 11
	Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates.	48 h
	Acute LC50 15.9 mg/l Fresh water	Aquatic invertebrates. Crustacean Order	48 h
		Crustacean Order	40.1
	Acute LC50 3 mg/l Fresh water	Aquatic invertebrates.	48 h
	water	Daphnia	-
	Acute EC50 35.306 mg/l Fresh	Aquatic invertebrates.	48 h
	Acute EC30 27.8 mg/1 Fresh water	Daphnia	40 11
	Acute EC50 27.8 mg/l Fresh water	Daphnia Aquatic invertebrates.	48 h
	Acute EC50 19.3 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
	Acute LC50 6.5 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
	water Acute LC50 13 mg/l Fresh water	Aquatic invertebrates.	48 h
	Acute LC50 > 1,000 mg/l Fresh	Fish - Fish	96 h
	Marine water		
	Acute LC50 > 1,000,000 µg/l	Fish - Fish	96 h
Titanium dioxide			•
	concentration 7.6 mg/l Fresh water	Daphnia	21 0
	Chronic No-observable-effect-	Aquatic invertebrates.	21 d
	Chronic No-observable-effect- concentration 7.6 mg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	concentration 59 µg/l Fresh water	Daphnia	21.4



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Persistence and degradability

Conclusion/Summary

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Diundecyl phthalate		21.40	low
Titanium dioxide		352.00	low

Not available.

•

Mobility in soil

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	:	Consult mode specific transport rules

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IMO/IMDG (maritime)

: Consult mode specific transport rules

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: Listed 1,2-Benzenedicarboxylic acid, heptyl nonyl ester, branched and linear 1,2-Benzenedicarboxylic acid, heptyl undecyl ester, branched and linear 1,2-Benzenedicarboxylic acid, nonyl undecyl ester, branched and linear 1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear Phthalic acid, dialkyl(C7) ester 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich Diisononyl phthalate Diisodecyl phthalate
	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: Listed Lead
	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): Listed Quinacridone (C.I. Pigment Violet 19)
	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 Antimony trioxide 2-Ethylhexanoic acid zinc salt Diisodecyl phthalate

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Phthalocyanine Blue Lead Arsenic

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: Not listed

:	Not listed
	Not listed
:	Not fisted
:	Not listed
:	Not listed
:	Not listed
•	
	:

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
Diundecyl phthalate	1 - 5	AH
Titanium dioxide	0.1 - 1	СН
Antimony trioxide	0.1 - 1	AH, CH

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Antimony trioxide	1309-64-4	0.1 - 1



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Supplier notification	Antimony trioxide	1309-64-4	0.1 - 1
SARA 313 notifications must not	be detached from the	SDS and any copying and redist	ribution of the SDS shall
include copying and redistribution	of the notice attached	l to copies of the SDS subsequer	ntly redistributed.
State regulations			
Massachusetts	: None of the	e components are listed.	
New York	Antimony		
New Jersey	: The follow Ethene, cl Titanium Antimony		
Pennsylvania		ing components are listed:	
	Antimony	<i>r</i> trioxide	
<u>California Prop. 65</u> WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.			
United States inventory (TSCA	8b) : All compo	nents are listed or exempted.	
Canada inventory	: At least on are listed in	e component is not listed in DSI n NDSL.	but all such components
International regulations			
International lists	Taiwan in Malaysia I EINECS: Japan inv China inv Korea inv New Zeala	inventory (AICS): Not determi ventory (CSNN): Not determin Inventory (EHS Register): Not Not determined. entory: Not determined. entory (IECSC): Not determin entory: Not determined. and Inventory of Chemicals (Not es inventory (PICCS): Not determined.	ned. t determined. ed. ZIoC): Not determined.
Chemical Weapons Convention List Schedule I Chemicals	: Not listed		
Chemical Weapons Convention List Schedule II Chemicals	: Not listed		
Chemical Weapons Convention	: Not listed		
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List Schedule III Chemicals

Section 16. Other information

History		
Date of printing	:	11/24/2015
Date of issue/Date of revision	:	10/16/2015
Date of previous issue	:	08/27/2015
Version	:	1.8
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 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.