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# SAFETY DATA SHEET

#### FRPE 314054

Section 1. Identification		
GHS product identifier	:	FRPE 314054
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC10314054
Product type	:	solid
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).

## 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.
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Hazard statements

No known significant effects or critical hazards.

#### **Precautionary statements**

General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.
		Not available.

# Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10314054

CAS number/other identifiers

Ingredient name	%	CAS number
Zinc oxide	3 - 5	1314-13-2
Talc	1 - 3	14807-96-6

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

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the

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		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		
Eve contect		

Eye contact Inhalation Skin contact Ingestion Over-exposure signs/symptoms	:	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 atte	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<sub>2</sub>.

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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 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 Methods and materials for containme	: ent a	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).
Small spill Large 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. 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.

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# 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		
Zinc oxide	OSHA PEL 1989 (1989-03-01)		
	TWA 5 mg/m3 Form: Fume		
	STEL 10 mg/m3 Form: Fume		
	TWA 10 mg/m3 Form: Total dust		
	TWA 5 mg/m3 Form: Respirable fraction		
	OSHA PEL (1993-06-30)		
	TWA 15 mg/m3 Form: Total dust		
	TWA 5 mg/m3 Form: Respirable fraction		
	NIOSH REL (1994-06-01)		
	TWA 5 mg/m3 Form: Dust and fumes		
	STEL 10 mg/m3 Form: Fume		
	CEIL 15 mg/m3 Form: Dust		
	ACGIH TLV (2003-01-01)		
	TWA 2 mg/m3 Form: Respirable fraction		
	STEL 10 mg/m3 Form: Respirable fraction		
	OSHA PEL (1993-06-30)		

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	TWA 5 mg/m3 Form: Fume			
Talc	ACGIH TLV (1996-05-18)			
	TWA 2 mg/m3 Form: Respirable fraction			
	ACGIH TLV (1998-09-01)			
	TWA 0.1 fibrers/cm3 Form: respiratble fibre			
	OSHA PEL 1989 (1989-03-01)			
	TWA 2 mg/m3 Form: Respirable dust			
	NIOSH REL (1994-06-01)			
	TWA 2 mg/m3 Form: Respirable fraction			
	OSHA PEL Z3 (1997-09-03)			
	TWA 20 million particles per 1 cubic foot Form: not/asb			
	OSHA PEL Z3 (1997-09-03)			
	STEL 1 fibrers/cm3 Form: not/asb			
	TWA 0.1 fibrers/cm3 Form: con/asb			
	STEL 1 fibrers/cm3 Form: con/asb			

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
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Body protection	<ul> <li>standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.</li> <li>Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be</li> </ul>
	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	:	NO PIGMENT
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		<b>Dynamic:</b> Not available.
viscosity	•	<b>Kinematic:</b> Not available.
		Kinematic. 1400 available.

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#### Aerosol product

Heat of combustion	:	Not available.
Ignition distance	:	Not available.
Enclosed space ignition - Time	:	Not available.
equivalent Enclosed space ignition -		Not available.
Deflagration density	•	Not available.
Flame height	:	Not available.
Flame duration	:	Not available.

# Section 10. Stability and reactivity

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

# Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

#### Information on toxicological effects

#### Acute toxicity

Remarks - Oral:	No applicable toxicity data	
Remarks - Inhalation:	No applicable toxicity data	
Remarks - Dermal:	No applicable toxicity data	
Remarks - Oral:	No applicable toxicity data	
Remarks - Inhalation:	No applicable toxicity data	
Remarks - Dermal:	No applicable toxicity data	
Conclusion/Summary	: Mixture.Not fully tested.	

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#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation		
Talc	Skin - Mild	Human		72 hrs	-		
	irritant						
Zinc oxide	Eyes - Mild	Rabbit		24 hrs	-		
	irritant						
	Skin - Mild	Rabbit		24 hrs	-		
	irritant						
Conclusion/Summary							
Skin		lixture.Not fu					
Eyes		lixture.Not fu					
Respiratory	: M	lixture.Not fu	illy tested.				
Sensitization							
Sensitization							
Conclusion/Summary							
Skin	: M	lixture.Not fu	illy tested.				
Respiratory		lixture.Not fu					
1 0							
<b>Mutagenicity</b>							
Conclusion/Summary	Mixture Not fully tested						
Concrusion/Summary	: Mixture.Not fully tested.						
<b>Carcinogenicity</b>							
Conclusion/Summary	: Mixture.Not fully tested.						
Conclusion/Summary	: IVITXTULE. NOT TULLY LESTED.						
<b>Classification</b>							
Drodrot/in and i ant name	OSHA	IARC	NTP				
Product/ingredient name Talc		32B	NIP				
	-	32 <b>D</b>	-				
<b>Reproductive toxicity</b>							
Conclusion/Summary	: Mixture.Not fully tested.						
-							
<u>Teratogenicity</u>							
Conclusion/Summary	: Mixture.Not fully tested.						
Specific target organ toxicity	(single exposu	<u>e)</u>					
Not available.							

Not available.

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Specific target organ toxicity (repeated exposure) Not available.				
Aspiration hazard Not available.				
Information on likely routes of exposure	:	Not available.		
Potential acute health effects				
Eye contact Inhalation Skin contact	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.		
Ingestion	:	No known significant effects or critical hazards.		
Symptoms related to the physical,	<u>chemi</u>	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 y	well as	chronic effects from short and long-term exposure		
Short term exposure				
Potential immediate effects	:	Not available.		
Potential delayed effects	:	Not available.		
Long term exposure				
Potential immediate effects Potential delayed effects	:	Not available. Not available.		
Potential chronic health effects				
Conclusion/Summary	:	Mixture.Not fully tested.		
General	•	No known significant effects or critical hazards		

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**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			
Talc						
Remarks - Acute - Fish:	No applicable toxicity data					
Remarks - Acute - Aquatic	No applicable toxicity data					
invertebrates.:						
Remarks - Acute - Aquatic	No applicable toxicity data					
plants:						
Remarks - Chronic - Fish:	No applicable toxicity data					
<b>Remarks - Chronic -</b>	No applicable toxicity data					
Aquatic invertebrates.:						
Zinc oxide						
	Acute LC50 1.1 Mg/l Fresh water	Fish - Fish	96 h			
Remarks - Acute - Fish:	Acute					
	Acute LC50 0.098 Mg/l FreshAquatic invertebrates.48 h					
	water Daphnia					
Remarks - Acute - Aquatic	Acute					
invertebrates.:	Acute IC50 0.046 Mg/l Fresh water	Aquetia planta Algoa	72 h			
Demoning Agents Agenetic	Acute IC50 0.046 Mg/l Fresh water Aquatic plants - Algae 72 h Acute					
Remarks - Acute - Aquatic plants:	Acute					
plants.	Acute IC50 1.85 Mg/l Marine	Aquatic plants - Algae	96 h			
	water	riquate plants rigae	<b>70</b> II			
Remarks - Acute - Aquatic	Acute	1	1			
plants:						
Remarks - Chronic - Fish:	No applicable toxicity data					
Remarks - Chronic -	No applicable toxicity data					
Aquatic invertebrates.:						
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Remarks - Acute - Aquatic	Chemicals are not readily available a	s they are bound within the	e polymer matrix.			
invertebrates.:						
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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**

Product/ingredient name	LogPow	BCF	Potential
Zinc oxide	-	60,960.00	high

#### **Mobility in soil**

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

# Section 13. Disposal considerations

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.	poss shou prote auth prod disp requ shou when disp prod	irements of all authorities with jurisdiction. Waste packaging ld be recycled. Incineration or landfill should only be considered n recycling is not feasible. This material and its container must be osed of in a safe way. Empty containers or liners may retain some uct residues. Avoid dispersal of spilled material and runoff and
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United States - RCRA Acute hazardous waste "P" List: Not listed

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

# **Section 14. Transport information**



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

# Section 15. Regulatory information

U.S. Federal regulations	:	<b>United States - TSCA 12(b) - Chemical export notification:</b> The following components are listed: <b>Diphosphoric acid, compd. with piperazine (1:1)</b>
		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:
		Listed Diphosphoric acid, compd. with piperazine (1:1)
		<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 Zinc oxide
		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

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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	:	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**

No products were found.

Name	%	Classification
Zinc oxide	>= 3 - <= 5	EYE IRRITATION - Category 2B

#### SARA 313

#### Form R - Reporting requirements

Product name	CAS number	%
Zinc oxide	1314-13-2	>= 3 - <= 5

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

#### State regulations

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Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.
New Jersey	:	The following components are listed:
		Talc
		Zinc oxide
Pennsylvania	:	The following components are listed:
·		Talc
		Zinc oxide

#### California Prop. 65

**WARNING:** This product can expose you to Talc, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Talc	-	-

United States inventory (TSCA 8b)	:	All components are active or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
Inventory list		
Australia	:	Not determined.
Canada	:	All components are listed or exempted.
China	:	Not determined.
Europe inventory	:	Not determined.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are active or exempted.

## Section 16. Other information

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

Health

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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>History</u>		
Date of printing	:	10/03/2019
Date of issue/Date of revision	:	10/02/2019
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 = 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 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.