

## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Revision Date 12/05/2016 Page 1 of 15 Print Date 12/07/2016

# SAFETY DATA SHEET

#### LX-FC-1001 RED NITRILE FABRIC COATING

## **Section 1. Identification**

GHS product identifier : LX-FC-1001 RED NITRILE FABRIC COATING

Chemical name: MixtureCAS number: MixtureOther means of identification: FO20040114Product type: liquid

Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications. Plastics.

Supplier's details : POLYONE CORPORATION

1675 Navarre Road SW, Massillon,

Ohio USA 44646

1 330 837 8679

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. 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



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 2 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

**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: MixtureChemical name: MixtureOther means of identification: FO20040114

#### **CAS** number/other identifiers

Ingredient name	<b>%</b>	CAS number
Zinc oxide	1 - 3	1314-13-2

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



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 3 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

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: 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.

#### 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 attention 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. Fire-fighting measures

### Extinguishing media

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

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the** : In a fire or if heated, a pressure increase will occur and the container



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Revision Date 12/05/2016 Page 4 of 15 Print Date 12/07/2016

chemical

Hazardous thermal decomposition products

may burst.

Decomposition products may include the following materials: metal oxide/oxides

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Special protective actions for firefighters : 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 selfcontained breathing apparatus (SCBA) with a full face-piece operated

in positive pressure mode.

## Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without

suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : 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 containment and 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

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.



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Revision Date 12/05/2016 Page 5 of 15 Print Date 12/07/2016

## 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)
	PEL: Permissible Exposure Level 5 mg/m3 Form: Fume
	Maximum permissible limit of exposure in the short term (short-
	term exposure limit). 10 mg/m3 Form: Fume
	<b>PEL: Permissible Exposure Level</b> 10 mg/m3 Form: Total dust
	<b>PEL: Permissible Exposure Level</b> 5 mg/m3 Form: Respirable
	fraction
	OSHA PEL (1993-06-30)
	PEL: Permissible Exposure Level 5 mg/m3 Form: Fume
	<b>PEL: Permissible Exposure Level</b> 15 mg/m3 Form: Total dust
	<b>PEL: Permissible Exposure Level</b> 5 mg/m3 Form: Respirable
	fraction
	NIOSH REL (1994-06-01)
	Time Weighted Average (TWA) 5 mg/m3 Form: Dust and fumes
	Maximum permissible limit of exposure in the short term (short-
	term exposure limit). 10 mg/m3 Form: Fume
	<b>Maximum permissible level of exposure peak.</b> 15 mg/m3 Form:



# LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Revision Date 12/05/2016 Page 6 of 15 Print Date 12/07/2016

		Dust ACGIH TLV (2003-01-01) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 2 mg/m3 Form: Respirable fraction TLV-STEL: Threshold Limit Value - Short Time Exposure Level 10 mg/m3 Form: Respirable fraction
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
Skin protection		higher degree of protection: safety glasses with side-shields.
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products
<b>Body protection</b>	:	if a risk assessment indicates this is necessary.  Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be
Other skin protection	:	approved by a specialist before handling this product.  Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	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



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 7 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

of the selected respirator.

# Section 9. Physical and chemical properties

#### **Appearance**

**Physical state** liquid [liquid] Color NO PIGMENT Odor Not available. **Odor threshold** Not available. Not available. **Melting point** Not available. **Boiling point** Not available. Not available. Flash point **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 pressureNot available.Vapor densityNot available.Relative densityNot available.SolubilityNot available.Solubility in waterNot available.Partition coefficient: n-Not available.

octanol/water

Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.

Viscosity : Dynamic: Not available.

Kinematic: Not available.

# Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or

its ingredients.

Chemical stability : Stable under recommended storage and handling conditions (see

Section 7).

**Possibility of hazardous reactions**: Under normal conditions of storage and use, hazardous reactions will

not occur.

**Conditions to avoid** : Keep away from extreme heat and oxidizing agents.

**Incompatible materials** : Keep away from strong acids.

Oxidizer.



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 8 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

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**

**Conclusion/Summary** : Mixture.Not fully tested.

## **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Zinc oxide	Eyes - Mild irritant	Rabbit		24 hrs	-
	Skin - Mild irritant	Rabbit		24 hrs	-

Conclusion/Summary

Skin: Mixture.Not fully tested.Eyes: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

## **Sensitization**

**Conclusion/Summary** 

Skin: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

**Mutagenicity** 

**Conclusion/Summary** : Mixture.Not fully tested.

**Carcinogenicity** 

**Conclusion/Summary** : Mixture.Not fully tested.

Reproductive toxicity

**Conclusion/Summary** : Mixture. Not fully tested.

**Teratogenicity** 



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 9 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

**Conclusion/Summary** : Mixture.Not fully tested.

### **Specific target organ toxicity (single exposure)**

Not available.

#### **Specific target organ toxicity (repeated exposure)**

Not available.

### **Aspiration hazard**

Not available.

Information on the likely routes of

Not available.

exposure

#### 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, chemical 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 and 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** : Mixture.Not fully tested.

**General** : No known significant effects or critical hazards.

9/15



## LX-FC-1001 RED NITRILE FABRIC COATING

 Version Number 1.0
 Page 10 of 15

 Revision Date 12/05/2016
 Print Date 12/07/2016

Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

## Numerical measures of toxicity

#### **Acute toxicity estimates**

Not available.

# Section 12. Ecological information

## **Toxicity**

Product/ingredient name	Result	Species	Exposure	
Zinc oxide				
	Acute LC50 2,246,000 μg/l Fresh	Fish - Fish	96 h	
	water			
	Acute LC50 1.1 mg/l Fresh water	Fish - Fish	96 h	
	Acute LC50 2.525 mg/l Fresh	Fish - Fish	96 h	
	water			
	Acute LC50 3.969 mg/l Fresh	Fish - Fish	96 h	
	water			
	Acute LC50 98 µg/l Fresh water	Aquatic invertebrates.	48 h	
		Daphnia		
	Acute EC50 0.622 mg/l Fresh	Aquatic invertebrates.	48 h	
	water	Daphnia		
	Acute EC50 1 mg/l Fresh water	Aquatic invertebrates.	48 h	
		Daphnia		
	Acute LC50 1.25 mg/l Fresh water	Aquatic invertebrates.	48 h	
		Daphnia		
	Acute EC50 0.481 mg/l Fresh	Aquatic invertebrates.	48 h	
	water	Daphnia		
	Acute IC50 46 µg/l Fresh water	Aquatic plants - Algae	72 h	
	Acute IC50 63 μg/l Fresh water	Aquatic plants - Algae	72 h	
	Acute IC50 1.85 mg/l Marine water	Aquatic plants - Algae	96 h	
	Acute IC50 2.97 mg/l Marine water	96 h		
	Acute IC50 2.97 mg/l Marine water Aquatic plants - Algae 96 h  Acute IC50 2.36 mg/l Marine water Aquatic plants - Algae 96 h			
LX-FC-1001 RED NITRILE			•	
Remarks - Acute - Aquatic	Dangerous for the environment: May	cause long term adverse e	ffects in the aquation	



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 11 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

**invertebrates.:** environment.

**Conclusion/Summary** : Dangerous for the environment: May cause long term adverse effects

in the aquatic environment.

Persistence and degradability

Conclusion/Summary : Not available.

**Conclusion/Summary**: Dangerous for the environment: May cause long term adverse effects

in the aquatic environment.

**Bioaccumulative potential** 

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

#### **Mobility in soil**

Soil/water partition coefficient

(KOC)

: Not available.

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



### LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 12 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

U.S. DOT Classification : Not regulated for transportation.

ICAO/IATA : Consult mode specific transport rules

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: Not listed
United States - TSCA 4(a) - ITC Priority list: Not listed
United States - TSCA 4(a) - Proposed test rules: Not listed
United States - TSCA 4(f) - Priority risk review: Not listed
United States - TSCA 5(a)2 - Final significant new use rules: Not listed

United States - TSCA 5(a)2 - Proposed significant new use rules:

Not listed

United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed 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: 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

Not listed



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Page 13 of 15 Revision Date 12/05/2016 Print Date 12/07/2016

**Substances** 

Clean Air Act Section 602 Class II : Not listed

**Substances** 

**DEA List I Chemicals (Precursor** : Not listed

**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
Zinc oxide	1 - 3	AH

#### **SARA 313**

	Product name	CAS number	%
Form R - Reporting	Zinc oxide	1314-13-2	1 - 3
requirements			
Supplier notification	Zinc oxide	1314-13-2	1 - 3

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

#### **State regulations**

Massachusetts: None of the components are listed.New York: None of the components are listed.New Jersey: The following components are listed:

Zinc oxide

**Pennsylvania** : The following components are listed:

Zinc oxide

#### California Prop. 65

This PolyOne product does not contain any chemical known to the State of California to cause cancer, or birth defects or other reproductive harm, in concentrations that require a warning notice under California's Proposition 65. This statement relies in part on information provided by the buyer of this PolyOne product. PolyOne does not control or have complete knowledge of the end uses to which that buyer or any other entity in the chain of



## LX-FC-1001 RED NITRILE FABRIC COATING

Version Number 1.0 Revision Date 12/05/2016 Page 14 of 15 Print Date 12/07/2016

distribution and marketing may put this PolyOne product. Therefore, the buyer of this PolyOne product, each entity that uses this PolyOne product in formulating another product, and each entity in the chain of distribution and marketing of any product that includes the material in this PolyOne product must make its own decision as to giving a Proposition 65 warning.

United States inventory (TSCA 8b) : All components are listed or exempted.

Canada inventory : Not determined.

**International regulations** 

International lists : Australia inventory (AICS): Not determined.

Taiwan Chemical Substances Inventory (TCSI): Not determined.

Malaysia Inventory (EHS Register): Not determined.

**EINECS:** Not determined.

**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

**Chemical Weapons Convention** 

**List Schedule II Chemicals** 

**Chemical Weapons Convention** 

List Schedule III Chemicals

Not listed

Not listed

Not listed

## Section 16. Other information

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

Health	*	1
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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

#### **History**

Date of printing: 12/07/2016Date of issue/Date of revision: 12/05/2016Date of previous issue: 00/00/0000



## LX-FC-1001 RED NITRILE FABRIC COATING

 Version Number 1.0
 Page 15 of 15

 Revision Date 12/05/2016
 Print Date 12/07/2016

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 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 above-named 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.