# SAFETY DATA SHEET



Metalon® JR-038, Carbon ink

### **Section 1. Identification**

GHS product identifier : Metalon® JR-038, Carbon ink

Product code : Not available.

Chemical name : Carbon ink

Other means of : Not available.

identification

Product type : Liquid.

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

**Identified uses** 

lnk.

Supplier's details : NCC Nano LLC dba NovaCentrix

400 Parker Drive, Suite 1110, Austin, TX 78728

Tel.: 512-491-9500 Fax: 512-491-0002

Email: info@novacentrix.com Website: www.novacentrix.com

Emergency telephone number (with hours of operation)

N.A. Toll Free: 1-800-255-3924

International: 01-813-248-0585

### Section 2. Hazards identification

**OSHA/HCS** status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (ACUTE) - Category 3

: CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER

AQUATIC HAZARD (ACUTE) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 3

**GHS label elements** 

Hazard pictograms



Signal word : Warning

**Hazard statements**: H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements** 



### Section 2. Hazards identification

**Prevention**: P280 - Wear protective gloves. Wear eye or face protection.

P273 - Avoid release to the environment.

P261 - Avoid breathing dust.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing must not be allowed out of the workplace.

Response : P363 - Wash contaminated clothing before reuse.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.

Storage : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national

and international regulations.

Hazards not otherwise

classified

identification

: None known.

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Chemical name : Carbon ink
Other means of : Not available.

Ingredient name	%	CAS number
2,2' -Oxybisethanol	10 - 20	111-46-6
Carbon black	5 - 15	1333-86-4
Benzyl benzoate	3 - 4.5	120-51-4
Cellulose, 2-hydroxyethyl ether	0.5 - 1	9004-62-0
bis-[4-(2,3-Epoxipropoxi)phenyl]propane	≤0.3	1675-54-3

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. Continue to rinse for at least 20 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.





### Section 4. First aid measures

#### Skin contact

: Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Ingestion

: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

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

Skin contact : May cause an allergic skin reaction.

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

#### Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain or irritation

watering redness

Inhalation : No known significant effects or critical hazards.

**Skin contact**: Adverse symptoms may include the following:

irritation redness

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

#### 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### See toxicological information (Section 11)

# Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing** 

media

: None known.





# Section 5. Fire-fighting measures

Specific hazards arising from the chemical

: This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal** decomposition products : Decomposition products may include the following materials: carbon dioxide carbon monoxide

**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

**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

: 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : 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 nonemergency 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). Water polluting material. May be harmful to the environment if released in large quantities.

#### Methods and materials for containment and cleaning up

Small spill

: Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, 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** 

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

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. See also Section 8 for additional information on hygiene measures.





# Section 7. Handling and storage

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. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

Occupational exposure limits

Ingredient name	Exposure limits
2,2' -Oxybisethanol	AIHA WEEL (United States, 7/2020).
	TWA: 10 mg/m³ 8 hours.
Carbon black	ACGIH TLV (United States, 3/2020).
	TWA: 3 mg/m³ 8 hours. Form: Inhalable
	fraction
	NIOSH REL (United States, 10/2016).
	TWA: 3.5 mg/m <sup>3</sup> 10 hours.
	TWA: 0.1 mg of PAHs/cm³ 10 hours.
	OSHA PEL (United States, 5/2018).
	TWA: 3.5 mg/m³ 8 hours.
Benzyl benzoate	None.
Cellulose, 2-hydroxyethyl ether	None.
bis-[4-(2,3-Epoxipropoxi)phenyl]propane	None.

# Appropriate engineering controls

**Environmental exposure** controls

- : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

#### **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. Contaminated work clothing should not be allowed out of the workplace. 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: chemical splash goggles.

# 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.



# Section 8. Exposure controls/personal protection

**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.

: Appropriate footwear and any additional skin protection measures should be selected Other skin protection

based on the task being performed and the risks involved and should be approved by a

specialist before handling this product.

: Based on the hazard and potential for exposure, select a respirator that meets the **Respiratory protection** 

> 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. [Medium viscosity paste.]

Color : Black.

Odor : Not available. **Odor threshold** Not available.

7 to 9 pН

: Not available. Melting/freezing point Initial boiling point and : Not available. boiling range

Flash point : Not applicable. **Evaporation rate** : Not available. Flammability (solid, gas) : Not available.

Lower and upper explosive

(flammable) limits

octanol/water

: Not applicable.

Vapor pressure : Not available. Vapor density : Not applicable.

1 to 1.2 Relative density

Solubility Not available. Not available. Solubility in water Partition coefficient: n-: Not applicable.

**Auto-ignition temperature** : Not applicable. **Decomposition temperature** : Not available.

**Viscosity** : Dynamic: >1000 mPa·s (>1000 cP)

Flow time (ISO 2431) : Not available.

# Section 10. Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients. Reactivity

**Chemical stability** : The product is stable.

**Possibility of hazardous** reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.





# Section 10. Stability and reactivity

Conditions to avoid

: No specific data.

**Incompatible materials** 

: Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
2,2' -Oxybisethanol	LD50 Dermal	Rabbit	11890 mg/kg	-
-	LD50 Oral	Rat	12000 mg/kg	-
Carbon black	LD50 Oral	Rat	>15400 mg/kg	-
Benzyl benzoate	LD50 Dermal	Rabbit	4 g/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
bis-[4-(2,3-Epoxipropoxi) phenyl]propane	LD50 Dermal	Rabbit	20 g/kg	-

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,2' -Oxybisethanol	Eyes - Mild irritant	Rabbit	-	50 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
bis-[4-(2,3-Epoxipropoxi)	Eyes - Severe irritant	Rabbit	-	24 hours 2	-
phenyl]propane				mg	
	Skin - Mild irritant	Rabbit	-	500 mg	-

#### **Sensitization**

There is no data available.

#### **Mutagenicity**

There is no data available.

#### **Carcinogenicity**

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
Carbon black	-	2B	-
bis-[4-(2,3-Epoxipropoxi)	-	3	-
phenyl]propane			

#### **Reproductive toxicity**

There is no data available.

#### **Teratogenicity**

There is no data available.

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

Name		Route of exposure	Target organs
Cellulose, 2-hydroxyethyl ether	Category 3		Respiratory tract irritation





# **Section 11. Toxicological information**

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

There is no data available.

#### **Aspiration hazard**

There is no data available.

Information on the likely

routes of exposure

: Routes of entry anticipated: Oral, Dermal.

Potential acute health effects

**Eye contact** : Causes serious eye irritation.

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

**Skin contact** : May cause an allergic skin reaction.

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

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

pain or irritation

watering redness

Inhalation : No known significant effects or critical hazards.

**Skin contact**: Adverse symptoms may include the following:

irritation redness

Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

**Potential immediate** 

effects

: No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate

effects

: No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to

very low levels.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Reproductive toxicity: No known significant effects or critical hazards.

**Numerical measures of toxicity** 

**Acute toxicity estimates** 





# **Section 11. Toxicological information**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
Carbon ink	2040.8	N/A	N/A	N/A	N/A
2,2' -Oxybisethanol	500	11890	N/A	N/A	N/A
Benzyl benzoate	500	4000	N/A	N/A	N/A
bis-[4-(2,3-Epoxipropoxi)phenyl]propane	N/A	20000	N/A	N/A	N/A

# **Section 12. Ecological information**

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
2,2' -Oxybisethanol		· · · · · · · · · · · · · · · · · · ·	96 hours
Carbon black	Acute EC50 37.563 mg/L Fresh water	Daphnia - Daphnia magna -	48 hours
		Neonate	
Benzyl benzoate	Acute LC50 1.4 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

#### Persistence and degradability

There is no data available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
2,2' -Oxybisethanol	-1.98 3.97	100	low
Benzyl benzoate	3.97	-	low

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No

: 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 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. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.





# **Section 14. Transport information**

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

**AERG**: Not applicable

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in the

event of an accident or spillage.

Transport in bulk according: Not available.

to IMO instruments

### Section 15. Regulatory information

**U.S. Federal regulations** : TSCA 5(a)2 proposed significant new use rules: N-methyl-2-pyrrolidone

TSCA 8(a) PAIR: Poly(oxy-1,2-ethanediyl), α-

[4-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-; Naphthalene TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 307: Benzene; Naphthalene; Ethylbenzene

Clean Water Act (CWA) 311: Benzene; Naphthalene; Ethylbenzene; Propylene oxide

**Clean Air Act Section 112** 

(b) Hazardous Air **Pollutants (HAPs)**  : Listed

Clean Air Act Section 602

Class I 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** 

: Not listed

(Essential Chemicals)

**SARA 302/304** 

Composition/information on ingredients







# Section 15. Regulatory information

			SARA 302 TPQ		SARA 304 RQ	
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
Propylene oxide Ethylene oxide	≤0.00001 ≤0.00001	Yes. Yes.	10000 1000	1444.3	100 10	14.4

**SARA 304 RQ** : 1851851851.9 lbs / 840740740.7 kg

**SARA 311/312** 

Classification : SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

SKIN SENSITIZATION - Category 1

#### Composition/information on ingredients

Name	%	Classification
2,2' -Oxybisethanol	10 - 20	ACUTE TOXICITY (oral) - Category 4
		SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
Benzyl benzoate	3 - 4.5	ACUTE TOXICITY (oral) - Category 4
Cellulose, 2-hydroxyethyl ether	0.5 - 1	SKIN CORROSION/IRRITATION - Category 2
		SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
bis-[4-(2,3-Epoxipropoxi)phenyl]	≤0.3	FLAMMABLE LIQUIDS - Category 4
propane		SKIN CORROSION/IRRITATION - Category 2
		SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
		SKIN SENSITIZATION - Category 1

#### State regulations

**Massachusetts** : The following components are listed: Carbon black

: None of the components are listed. **New York** 

: The following components are listed: Carbon black; 2-Butoxyethanol **New Jersey Pennsylvania** : The following components are listed: 2,2' -Oxybisethanol; Carbon black

California Prop. 65



⚠ WARNING: This product can expose you to chemicals including Benzene and Ethylene oxide, which are known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Naphthalene, Ethylbenzene, 1,4-Dioxane and Propylene oxide, which are known to the State of California to cause cancer, and N-methyl-2-pyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
N-methyl-2-pyrrolidone	-	Yes.
Benzene	Yes.	Yes.
Naphthalene	Yes.	-
Ethylbenzene	Yes.	-
1,4-Dioxane	Yes.	-
Propylene oxide	-	-
Ethylene oxide	Yes.	Yes.

#### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### **Montreal Protocol**





# **Section 15. Regulatory information**

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals** 

Not listed.

**Inventory list** 

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

**Europe** : Not determined.

Japan : Japan inventory (CSCL): Not determined.

Japan inventory (ISHL): Not determined.

New Zealand : All components are listed or exempted.
 Philippines : All components are listed or exempted.
 Republic of Korea : All components are listed or exempted.
 Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : Not determined.

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

### Section 16. Other information

#### Procedure used to derive the classification

Classification	Justification
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (ACUTE) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method Calculation method Calculation method Calculation method

#### **History**

Date of issue/Date of

revision

: 09/30/2021

Date of previous issue : Not applicable

Version : 1

Prepared by : KMK Regulatory Services Inc.

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

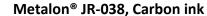
IMDG = International Maritime Dangerous Goods

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)







# **Section 16. Other information**

N/A = Not available SGG = Segregation Group UN = United Nations

#### 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.

