Safety Data Sheet according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: January 28, 2021

	ion
· Product ide	entifier
	: Sodium Hydroxide, 5.0N le: DUSH6289-B
· Recommend	<b>led use and restriction on use led use:</b> Laboratory chemicals <b>on use:</b> No relevant information available.
• <b>Manufacture</b> AquaPhoenix 860 Gitts Run Hanover, PA Tel +1 (717)6 Toll-Free: (86	scientific, Inc. n Road 17331 USA 032-1291 06)632-1291 noenixsci.com nicals Inc. emper Rd, DH 45241
ChemTel Inc. (800)255-392	<b>telephone number:</b> 24 (North America) -0585 (International)
2 Hazard(s)	identification
<sup>.</sup> Classificati	on of the substance or mixture
Met. Corr.1	H290 May be corrosive to metals.
Met. Corr.1 Skin Corr. 1A	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Met. Corr.1 Skin Corr. 1A Eye Dam. 1	<ul> <li>H290 May be corrosive to metals.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H318 Causes serious eye damage.</li> </ul>
Met. Corr.1 Skin Corr. 1A Eye Dam. 1 <sup>·</sup> Label eleme · GHS label ele	<ul> <li>H290 May be corrosive to metals.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H318 Causes serious eye damage.</li> </ul> ents ements is classified and labeled according to the Globally Harmonized System (GHS).
Met. Corr.1 Skin Corr. 1A Eye Dam. 1 • Label eleme • GHS label ele The product is • Hazard picto	<ul> <li>H290 May be corrosive to metals.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H318 Causes serious eye damage.</li> </ul> ents ements is classified and labeled according to the Globally Harmonized System (GHS).
Met. Corr.1 Skin Corr. 1A Eye Dam. 1 • Label eleme • GHS label ele The product is • Hazard picto GHS05	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. ents ements is classified and labeled according to the Globally Harmonized System (GHS). ograms:
Met. Corr.1 Skin Corr. 1A Eye Dam. 1 • Label eleme • GHS label ele The product is • Hazard picto GHS05 • Signal word: • Hazard state	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. ents ements is classified and labeled according to the Globally Harmonized System (GHS). ograms:
Met. Corr.1 Skin Corr. 1A Eye Dam. 1 • Label eleme • GHS label ele The product is • Hazard picto • GHS05 • Signal word: • Hazard state H290 May be	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. ents ements is classified and labeled according to the Globally Harmonized System (GHS). ograms: Danger ements: corrosive to metals.
Met. Corr. 1 Skin Corr. 1A Eye Dam. 1 • Label eleme • GHS label eleme • GHS label eleme • Hazard picto • Hazard picto • GHS05 • Signal word: • Hazard state H290 May be H314 Causes • Precautionar	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. ents ements is classified and labeled according to the Globally Harmonized System (GHS). ograms: Danger ements: corrosive to metals. is severe skin burns and eye damage. ry statements:
Met. Corr. 1 Skin Corr. 1A Eye Dam. 1 • Label eleme • GHS label eleme • Hazard picto • Hazard picto • GHS05 • Signal word: • Hazard state H290 May be H314 Causes • Precautionar P234	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. ents ements is classified and labeled according to the Globally Harmonized System (GHS). ograms: Danger ements: corrosive to metals. s severe skin burns and eye damage. ry statements: Keep only in original container.
Met. Corr. 1 Skin Corr. 1A Eye Dam. 1 • Label eleme • GHS label eleme • GHS label eleme • Hazard picto • Hazard picto • GHS05 • Signal word: • Hazard state H290 May be H314 Causes • Precautionar	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. ents ements is classified and labeled according to the Globally Harmonized System (GHS). ograms: Danger ements: corrosive to metals. is severe skin burns and eye damage. ry statements:

80%

20%

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5000	(Cont'd. of page 1)
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P33	1 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	3 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	3 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
<sup>·</sup> Other hazards	There are no other hazards not otherwise classified that have been identified.

### 3 Composition/information on ingredients

### · Chemical characterization: Mixtures

### · Components:

7732-18-5 Water

1310-73-2 Sodium hydroxide

Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318

### • Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. For the wording of the listed Hazard Statements, refer to section 16.

### 4 First-aid measures

### <sup>•</sup> Description of first aid measures

· General information: Immediately remove any clothing soiled by the product.

• After inhalation: Supply fresh air and to be sure to call for a doctor.

### · After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

Seek immediate help for blistering or open wounds.

### · After eye contact:

Protect unharmed eye.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

### After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

### Most important symptoms and effects, both acute and delayed:

### Eye damage.

Strong caustic effect on skin and mucous membranes.

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Gastric or intestinal disorders when ingested.

· Danger:

Danger of gastric perforation.

Causes serious eye damage.

Indication of any immediate medical attention and special treatment needed:

Medical supervision for at least 48 hours.

If medical advice is needed, have product container or label at hand.

### **5** Fire-fighting measures

### • Extinguishing media

- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- · For safety reasons unsuitable extinguishing agents: No relevant information available.
- · Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.

### <sup>•</sup> Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

### 6 Accidental release measures

### <sup>•</sup> Personal precautions, protective equipment and emergency procedures

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

### **Environmental precautions**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Place in properly marked container for disposal.

### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

### <sup>·</sup> Handling

### • Precautions for safe handling:

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

· Information about protection against explosions and fires: No special measures required.

<sup>•</sup> Conditions for safe storage, including any incompatibilities

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	de name: Sodium Hydroxide, 5.0N	
Deswinemente	(Cont'd. of p	
	to be met by storerooms and receptacles: erial for receptacle: aluminium.	
	erial for receptacle: glass or ceramic.	
	erial for receptacle: steel.	
	e original receptacle.	
	out storage in one common storage facility:	
Store away from		
Store away from	n metals. Jether with oxidizing and acidic materials.	
	ation about storage conditions:	
Keep containers		
Store in cool, dr	y conditions in well sealed receptacles.	
Specific end	use(s) No relevant information available.	
	ontrols/personal protection	
· Control paran		
	vith limit values that require monitoring at the workplace:	
	constituent is the only constituent of the product which has a PEL, TLV or o	
recommended e	•	
1310-73-2 Sodi	•	
PEL (USA)	Long-term value: 2 mg/m³	
REL (USA)	Ceiling limit value: 2 mg/m³	
	Ceiling limit value: 2 mg/m <sup>3</sup>	
TLV (USA)		
EL (Canada)	Ceiling limit value: 2 mg/m <sup>3</sup>	
EL (Canada) EV (Canada)	Ceiling limit value: 2 mg/m³	
EL (Canada) EV (Canada) LMPE (Mexico)	Ceiling limit value: 2 mg/m³ Ceiling limit value: 2 mg/m³ Ceiling limit value: 2 mg/m³	
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EL (Canada) EV (Canada) LMPE (Mexico) Exposure cor General protec The usual preca Keep away from Immediately ren Wash hands be Avoid contact w Engineering co	Ceiling limit value: 2 mg/m <sup>3</sup> Ceiling limit value: 2 mg/m <sup>3</sup> Ceiling limit value: 2 mg/m <sup>3</sup> Ceiling limit value: 2 mg/m <sup>3</sup> <b>htrols</b> tive and hygienic measures: autionary measures for handling chemicals should be followed. In foodstuffs, beverages and feed. hove all soiled and contaminated clothing. fore breaks and at the end of work. ith the eyes and skin. Dentrols: Provide adequate ventilation. pment: For large spills, respiratory protection may be advisable.	
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EL (Canada) EV (Canada) LMPE (Mexico) Exposure cor General protec The usual proce Keep away from Immediately ren Wash hands be Avoid contact w Engineering co Breathing equi Protection of h Protect The glove mate	Ceiling limit value: 2 mg/m <sup>3</sup> Ceiling limit value: 2 mg/m <sup>3</sup> Ceiling limit value: 2 mg/m <sup>3</sup> <b>htrols</b> <b>tive and hygienic measures:</b> nutionary measures for handling chemicals should be followed. In foodstuffs, beverages and feed. nove all soiled and contaminated clothing. fore breaks and at the end of work. ith the eyes and skin. <b>ontrols:</b> Provide adequate ventilation. <b>pment:</b> For large spills, respiratory protection may be advisable. <b>ands:</b> ive gloves rial has to be impermeable and resistant to the product/ the substance/ the preparation	
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The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### • Eye protection:



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· Body protection: Protective work clothing

· Limitation and supervision of exposure into the environment

No relevant information available.

Physical and chemical properties				
<ul> <li>Information on basic physical and chemical properties</li> <li>Appearance:</li> </ul>				
Form:	Liquid			
Color:	Clear			
· Odor:	Not determined.			
· Odor threshold:	Not determined.			
· pH-value:	Not determined.			
<ul> <li>Melting point/Melting range:</li> </ul>	Not determined.			
<ul> <li>Boiling point/Boiling range:</li> </ul>	105-110 °C (221-166 °F)			
· Flash point:	The product is not flammable.			
<ul> <li>Flammability (solid, gaseous):</li> </ul>	Not applicable.			
· Auto-ignition temperature:	Not determined.			
<ul> <li>Decomposition temperature:</li> </ul>	Not determined.			
· Danger of explosion:	Product does not present an explosion hazard.			
· Explosion limits				
Lower:	Not determined.			
Upper:	Not determined.			
· Oxidizing properties:	Not determined.			
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)			
· Density at 20 °C (68 °F):	1.3 g/cm³ (10.85 lbs/gal)			
Relative density:	Not determined.			
· Vapor density:	Not determined.			
· Evaporation rate:	Not determined.			
<ul> <li>Solubility in / Miscibility with</li> </ul>				
Water:	Fully miscible.			
· Partition coefficient (n-octanol/water):	Not determined.			
· Viscosity				
Dynamic:	Not determined.			
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Kinematic:	Not determined.
Other information	No relevant information available.
Stability and reactivity	
Reactivity: No relevant inform	
	er normal temperatures and pressures.
Thermal decomposition / con	
	tored according to specifications.
Possibility of hazardous re Corrosive action on metals.	actions
Strong exothermic reaction with	acide
Attacks materials containing gla	
	heated above the decomposition point.
Conditions to avoid Excessi	
Incompatible materials	
Metals.	
Strong acids	
Hazardous decomposition	products
Under fire conditions only:	
Toxic metal oxide smoke	
Toxicological information	n
Information on toxicologica	
	al effects
Acute toxicity:	
Acute toxicity: LD/LC50 values that are relevant	
Acute toxicity: LD/LC50 values that are releve Primary irritant effect:	ant for classification: None.
Acute toxicity: LD/LC50 values that are releve Primary irritant effect: On the skin: Strong caustic effe	ant for classification: None. ect on skin and mucous membranes.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic effe On the eye: Strong caustic effe	<b>ant for classification:</b> None. ect on skin and mucous membranes. ct.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic effe On the eye: Strong caustic effe	<b>ant for classification:</b> None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met.
Acute toxicity: LD/LC50 values that are releve Primary irritant effect: On the skin: Strong caustic effe On the eye: Strong caustic effe Sensitization: Based on available	ant for classification: None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met. r Research on Cancer):
Acute toxicity: LD/LC50 values that are releve Primary irritant effect: On the skin: Strong caustic effe On the eye: Strong caustic effe Sensitization: Based on availab IARC (International Agency fo None of the ingredients are liste NTP (National Toxicology Pro	ant for classification: None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met. r Research on Cancer): d. gram):
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerse NTP (National Toxicology Pro- None of the ingredients are listerses)	ant for classification: None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met. r Research on Cancer): d. gram): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic effer On the eye: Strong caustic effer Sensitization: Based on available IARC (International Agency for None of the ingredients are lister NTP (National Toxicology Pro- None of the ingredients are lister OSHA-Ca (Occupational Safetric)	ant for classification: None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met. r Research on Cancer): d. gram): d. gram): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses On the eye: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerses NTP (National Toxicology Provision) None of the ingredients are listerses OSHA-Ca (Occupational Safetse) None of the ingredients are listerses None of the ingredients are listerses DSHA-Ca (Occupational Safetse)	ant for classification: None. ect on skin and mucous membranes. ct. ole data, the classification criteria are not met. r Research on Cancer): d. gram): d. gram): d. ty & Health Administration): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerse NTP (National Toxicology Pro- None of the ingredients are listerse OSHA-Ca (Occupational Safetton) None of the ingredients are listerses Probable route(s) of exposure	ant for classification: None. ect on skin and mucous membranes. ct. ole data, the classification criteria are not met. r Research on Cancer): d. gram): d. gram): d. ty & Health Administration): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerse NTP (National Toxicology Pro- None of the ingredients are listerse OSHA-Ca (Occupational Safetton None of the ingredients are listerse) Probable route(s) of exposure Ingestion.	ant for classification: None. ect on skin and mucous membranes. ct. ole data, the classification criteria are not met. r Research on Cancer): d. gram): d. gram): d. ty & Health Administration): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerse NTP (National Toxicology Proventional Safetters) None of the ingredients are listerse OSHA-Ca (Occupational Safetters) None of the ingredients are listerse Probable route(s) of exposure Ingestion. Inhalation.	ant for classification: None. ect on skin and mucous membranes. ct. ole data, the classification criteria are not met. r Research on Cancer): d. gram): d. gram): d. ty & Health Administration): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerse NTP (National Toxicology Provemant None of the ingredients are listerse) OSHA-Ca (Occupational Safette None of the ingredients are listerse) Probable route(s) of exposure Ingestion. Inhalation. Eye contact.	ant for classification: None. ect on skin and mucous membranes. ct. ole data, the classification criteria are not met. r Research on Cancer): d. gram): d. gram): d. ty & Health Administration): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerse NTP (National Toxicology Provemant None of the ingredients are listerse) OSHA-Ca (Occupational Safette None of the ingredients are listerse) Probable route(s) of exposure Ingestion. Inhalation. Eye contact. Skin contact.	ant for classification: None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met. r Research on Cancer): d. gram): d. gram): d. ty & Health Administration): d.
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic efferses Sensitization: Based on available IARC (International Agency for None of the ingredients are listerse NTP (National Toxicology Pro- None of the ingredients are listerses OSHA-Ca (Occupational Safetton) None of the ingredients are listerses Probable route(s) of exposure Ingestion. Inhalation. Eye contact. Skin contact. Acute effects (acute toxicity, interpreters)	ant for classification: None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met. r Research on Cancer): d. gram): d. ty & Health Administration): d. ty & Health Administration): d. rritation and corrosivity): Causes severe skin burns and eye damage
Acute toxicity: LD/LC50 values that are relevant Primary irritant effect: On the skin: Strong caustic effer Sensitization: Based on available IARC (International Agency for None of the ingredients are lister NTP (National Toxicology Pro- None of the ingredients are lister OSHA-Ca (Occupational Safettor None of the ingredients are lister Probable route(s) of exposure Ingestion. Inhalation. Eye contact. Skin contact. Acute effects (acute toxicity, in Repeated dose toxicity: No relevant No re	ant for classification: None. ect on skin and mucous membranes. ct. ble data, the classification criteria are not met. r Research on Cancer): d. gram): d. ty & Health Administration): d. ty & Health Administration): d. rritation and corrosivity): Causes severe skin burns and eye damage

· Germ cell mutagenicity: Based on available data, the classification criteria are not met.

(Cont'd. on page 7)

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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- Carcinogenicity: Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.

### **12 Ecological information**

<sup>·</sup> Toxicity

- · Aquatic toxicity No relevant information available.
- · Persistence and degradability No relevant information available.
- · Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- <sup>•</sup> Additional ecological information

### · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Other adverse effects No relevant information available.

### **13 Disposal considerations**

### · Waste treatment methods

### · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

### <sup>·</sup> Uncleaned packagings

- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

<sup>·</sup> UN-Number		
· DOT, ADR/RID/ADN, IMDG, IATA	UN1824	
UN proper shipping name		
DOT	Sodium hydroxide solution	
· ADR/RID/ADN, IMDG, IATA	SODIUM HYDROXIDE SOLUTION	
· Transport hazard class(es)		

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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nde name: Sodium Hydroxide, 5.0N	
	(Cont'd. of pa
DOT	
CORROSIVE	
$\mathbf{V}$	
Class	8
·Label	8
· ADR/RID/ADN	
· Class · Label	8 (C5) 8
· Class	8
· Label	8
· Packing group	
DOT, ADR/RID/ADN, IMDG, IATA	II
· Environmental hazards	Not applicable.
Special precautions for user	Warning: Corrosive substances
Hazard identification number (Kemler code):	80
EMS Number:	F-A,S-B
· Segregation groups	Alkalis
Transport in bulk according to Annex II o	
MARPOL73/78 and the IBC Code	Not applicable.

# 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA) SARA Section 302 (extremely hazardous substances): None of the ingredients are listed. Section 313 (Specific toxic chemical listings): None of the ingredients are listed. TSCA (Toxic Substances Control Act) 1310-73-2 Sodium hydroxide

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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7732-18-5 Water

Proposition 65 (California)
 Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

Canadian Domestic Substances List (DSL):

None of the ingredients are listed.

### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose. 50 percent

OSHA: Occupational Safety & Health Administration

- Met. Corr.1: Corrosive to metals Category 1
- Skin Corr. 1A: Skin corrosion/irritation Category 1A

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

### · Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/ overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers