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

### Revision: May 20, 2019 **1** Identification Product identifier Trade name: Sulfuric Acid, 50% v/v (1:1) · Product code: BHSA1940-P Recommended use and restriction on use · Recommended use: Laboratory chemicals Restrictions on use: No relevant information available. • Details of the supplier of the Safety Data Sheet · Manufacturer/Supplier: AquaPhoenix Scientific, Inc. 860 Gitts Run Road Hanover, PA 17331 Phone: (717)632-1291 Toll-Free: (866)632-1291 info@aquaphoenixsci.com Distributor: Dubois Chemicals Inc. 3630 East Kemper Rd Cincinnati, OH 45241 (800) 438-2647 · Emergency telephone number: ChemTel Inc. (800)255-3924 (North America) +1 (813)248-0585 (International) 2 Hazard(s) identification · Classification of the substance or mixture Met. Corr.1 H290 May be corrosive to metals. Skin Corr. 1A H314 Causes severe skin burns and eye damage. Eye Dam. 1 H318 Causes serious eye damage. <sup>•</sup> Label elements · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms:



Signal word: Danger
Hazard statements: H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Precautionary statements: P234 Keep only in original container. P260 Do not breathe mist/vapors/spray. P264 Wash thoroughly after handling.

(Cont'd. on page 2)

35%

65%

## Safety Data Sheet

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

Revision: May 20, 2019

Trade name: Sulfuric Acid, 50% v/v (1:1) (Cont'd. of page 1) Wear protective gloves/protective clothing/eye protection. P280 P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 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 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. P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P405 Store locked up. Store in corrosive resistant container with a resistant inner liner. P406 Dispose of contents/container in accordance with local/regional/national/international P501 regulations. • 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

7664-93-9 Sulfuric acid

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 • After inhalation: Supply fresh air: consult doctor in case of complaints. · After skin contact: Immediately remove any clothing soiled by the product. Immediately rinse with water. If skin irritation continues, consult a doctor. Seek immediate help for blistering or open wounds. After eve contact: Protect unharmed eve. 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: Strong caustic effect on skin and mucous membranes. Gastric or intestinal disorders when ingested. Eye damage.

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Trade name: Sulfuric Acid, 50% v/v (1:1)

(Cont'd. of page 2)

Acidosis

· Danger:

Danger of gastric perforation.

Causes serious eve damage. Danger of impaired breathing.

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:

The product is not flammable.

Use fire fighting measures that suit the environment.

- · For safety reasons unsuitable extinguishing agents: None.
- · Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.

#### Advice for firefighters

#### · Protective equipment:

Wear self-contained respiratory protective device. Wear fully protective suit.

#### 6 Accidental release measures

#### 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 to enter sewers/ surface or ground water.

#### Methods and material for containment and cleaning up

Use limestone to neutralize and/or absorb spill.

Clean the affected area carefully; suitable cleaners are:

Warm water

Dispose of the collected material according to regulations.

#### 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

#### • Handling

#### · Precautions for safe handling:

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Avoid breathing mist, vapors, or spray.

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

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| Trade name: Sulfuric Acid, 50% v/v (1:1)   |                     |
|--|---------------------|
| Avoid contact with the eyes and skin.<br>Open and handle receptacle with care.   | (Cont'd. of page 3) |
| <ul> <li>Conditions for safe storage, including any incompatibilities</li> <li>Requirements to be met by storerooms and receptacles:<br/>Store in cool, dry conditions in well sealed receptacles.<br/>Store only in the original receptacle.<br/>Unsuitable material for receptacle: steel.<br/>Unsuitable material for receptacle: aluminium.</li> </ul> |                     |
| <ul> <li>Information about storage in one common storage facility:<br/>Store away from foodstuffs.</li> <li>Do not store together with alkalis (caustic solutions).</li> <li>Store away from metals.</li> <li>Specific end use(s) No relevant information available.</li> </ul>  |                     |

### 8 Exposure controls/personal protection

#### <sup>·</sup> Control parameters

| · Components w  | · Components with limit values that require monitoring at the workplace: |  |  |
|-----------------|--|--|--|
| 7664-93-9 Sulfu | iric acid  |  |  |
| PEL (USA)       | Long-term value: 1 mg/m <sup>3</sup>                                     |  |  |
| REL (USA)       | Long-term value: 1 mg/m <sup>3</sup>                                     |  |  |
| TLV (USA)       | Long-term value: 0.2* mg/m³<br>*as thoracic fraction                     |  |  |
| EL (Canada)     | Long-term value: 0.2 mg/m³<br>ACGIH A2; IARC 1                           |  |  |
| EV (Canada)     | Long-term value: 0.2 mg/m <sup>3</sup>                                   |  |  |
| LMPE (Mexico)   | Long-term value: 0.2* mg/m³<br>A2;*fracción torácica                     |  |  |

#### <sup>•</sup> Exposure controls

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale dust / smoke / mist.

- $\cdot$  Engineering controls: Provide adequate ventilation.
- **Breathing equipment:** Use suitable respiratory protective device when high concentrations are present. • **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. • **Material of gloves** Nitrile rubber, NBR

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

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Trade name: Sulfuric Acid, 50% v/v (1:1) (Cont'd. of page 4) Neoprene gloves Natural rubber, NR Laminated film gloves. · Not suitable are gloves made of the following materials: PVA gloves · Eye protection: Safety glasses · Body protection: Protective work clothing · Limitation and supervision of exposure into the environment No relevant information available. · Risk management measures No relevant information available. 9 Physical and chemical properties Information on basic physical and chemical properties · Appearance: Form: Liquid Color: Colorless · Odor: Characteristic · Odor threshold: Not determined. · pH-value at 20 °C (68 °F): <2.0 Not determined. • Melting point/Melting range: · Boiling point/Boiling range: Not determined. · Flash point: The product is not flammable. · Flammability (solid, gaseous): Not applicable. • Auto-ignition temperature: Not determined. · Decomposition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. · Explosion limits Lower: Not determined. Not determined. Upper: Oxidizing properties: Not determined. · Vapor pressure: Not determined. · Density: 1.4-1.5 Relative density: Vapor density: Not determined. Evaporation rate: Not determined. · Solubility in / Miscibility with Water: Fully miscible. · Partition coefficient (n-octanol/water): Not determined. (Cont'd. on page 6)

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|   |   | (Cont'd. of pa |
|---|---|----------------|
| Viscosity   |   | (001110.01 pa  |
| Dynamic:  | Not determined.   |                |
| Kinematic:  | Not determined.   |                |
| Other information   | No relevant information available.  |                |
|   |   |                |
| Stability and reactivity  |   |                |
| Reactivity: No relevant inform  | nation available.   |                |
|   | ler normal temperatures and pressures.  |                |
| Thermal decomposition / con   |   |                |
|   | stored according to specifications.   |                |
| Possibility of hazardous re   |   |                |
|   | f heated above the decomposition point.   |                |
| Corrosive action on metals.<br>Reacts with certain metals.  |   |                |
| Reacts with alkali (lyes).  |   |                |
| Reacts with oxidizing agents.   |   |                |
| Conditions to avoid No rele   | vant information available.   |                |
| Incompatible materials  |   |                |
| Metals.   |   |                |
|   |   |                |
| Alkalis.  |   |                |
| Strong oxidizers such as perch  | lorates, bromates, and nitrates; hydrofluoric acid.   |                |
| Strong oxidizers such as perch  | lorates, bromates, and nitrates; hydrofluoric acid.<br>products Sulfur oxides (SOx)   |                |
| Strong oxidizers such as perch  |   |                |
| Strong oxidizers such as perch  | products Sulfur oxides (SOx)  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological informatio  | products Sulfur oxides (SOx)  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological informatio  | products Sulfur oxides (SOx)  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological informatio<br>Information on toxicologic<br>Acute toxicity: Based on available  | a products Sulfur oxides (SOx)  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicologic<br>Acute toxicity: Based on availa<br>LD/LC50 values that are relev   | a products Sulfur oxides (SOx)  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological informatio<br>Information on toxicologic<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:   | a products Sulfur oxides (SOx)  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological informatio<br>Information on toxicologic<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:   | a products Sulfur oxides (SOx)<br>on<br>cal effects<br>able data, the classification criteria are not met.<br>vant for classification: None.  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effect<br>Sensitization: Based on availation  | a products Sulfur oxides (SOx)<br>al effects<br>able data, the classification criteria are not met.<br>vant for classification: None.<br>fect on skin and mucous membranes.<br>ect.<br>able data, the classification criteria are not met.  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicologic<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effe<br>Sensitization: Based on availa<br>IARC (International Agency for  | a products Sulfur oxides (SOx)<br>an<br>cal effects<br>able data, the classification criteria are not met.<br>vant for classification: None.<br>fect on skin and mucous membranes.<br>ect.<br>able data, the classification criteria are not met.<br>ble data, the classification criteria are not met.<br>or Research on Cancer):  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effect<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are lister  | products Sulfur oxides (SOx)      al effects     able data, the classification criteria are not met.     vant for classification: None.     fect on skin and mucous membranes.     ect.     able data, the classification criteria are not met.     or Research on Cancer): ed.   |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicologic<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effe<br>Sensitization: Based on availa<br>IARC (International Agency for  | products Sulfur oxides (SOx)      al effects     able data, the classification criteria are not met.     vant for classification: None.     fect on skin and mucous membranes.     ect.     able data, the classification criteria are not met.     or Research on Cancer): ed.   |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effect<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are listed<br>NTP (National Toxicology Pro-   | products Sulfur oxides (SOx)  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effe<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are listed<br>NTP (National Toxicology Pro<br>7664-93-9 Sulfuric acid   | products Sulfur oxides (SOx)<br>an<br>cal effects<br>able data, the classification criteria are not met.<br>vant for classification: None.<br>fect on skin and mucous membranes.<br>ect.<br>able data, the classification criteria are not met.<br>or Research on Cancer):<br>ed.<br>ogram):<br>ty & Health Administration):  |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effect<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are listed<br>NTP (National Toxicology Pro<br>7664-93-9 Sulfuric acid<br>OSHA-Ca (Occupational Safe   | products Sulfur oxides (SOx)         on         cal effects         able data, the classification criteria are not met.         vant for classification: None.         fect on skin and mucous membranes.         ect.         ible data, the classification criteria are not met.         or Research on Cancer):         ed.         ogram):         ty & Health Administration):         ed. |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effe<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are listed<br>NTP (National Toxicology Pro<br>7664-93-9 Sulfuric acid<br>OSHA-Ca (Occupational Safe<br>None of the ingredients are listed<br>Probable route(s) of exposure<br>Ingestion.  | products Sulfur oxides (SOx)         on         cal effects         able data, the classification criteria are not met.         vant for classification: None.         fect on skin and mucous membranes.         ect.         ible data, the classification criteria are not met.         or Research on Cancer):         ed.         ogram):         ty & Health Administration):         ed. |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effe<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are listed<br>NTP (National Toxicology Pro<br>7664-93-9 Sulfuric acid<br>OSHA-Ca (Occupational Safe<br>None of the ingredients are listed<br>Probable route(s) of exposure<br>Ingestion.<br>Inhalation.                               | products Sulfur oxides (SOx)         on         cal effects         able data, the classification criteria are not met.         vant for classification: None.         fect on skin and mucous membranes.         ect.         ible data, the classification criteria are not met.         or Research on Cancer):         ed.         ogram):         ty & Health Administration):         ed. |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are releve<br>Primary irritant effect:<br>On the skin: Strong caustic effe<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are listen<br>NTP (National Toxicology Pro<br>7664-93-9 Sulfuric acid<br>OSHA-Ca (Occupational Safe<br>None of the ingredients are listen<br>Probable route(s) of exposure<br>Ingestion.<br>Inhalation.<br>Eye contact.               | products Sulfur oxides (SOx)         on         cal effects         able data, the classification criteria are not met.         vant for classification: None.         fect on skin and mucous membranes.         ect.         ible data, the classification criteria are not met.         or Research on Cancer):         ed.         ogram):         ty & Health Administration):         ed. |                |
| Strong oxidizers such as perchi<br>Hazardous decomposition<br>Toxicological information<br>Information on toxicological<br>Acute toxicity: Based on availa<br>LD/LC50 values that are relev<br>Primary irritant effect:<br>On the skin: Strong caustic effe<br>Sensitization: Based on availa<br>IARC (International Agency for<br>None of the ingredients are liste<br>NTP (National Toxicology Pro<br>7664-93-9 Sulfuric acid<br>OSHA-Ca (Occupational Safe<br>None of the ingredients are liste<br>Probable route(s) of exposure<br>Ingestion.<br>Inhalation.<br>Eye contact.<br>Skin contact. | products Sulfur oxides (SOx)         on         cal effects         able data, the classification criteria are not met.         vant for classification: None.         fect on skin and mucous membranes.         ect.         ible data, the classification criteria are not met.         or Research on Cancer):         ed.         ogram):         ty & Health Administration):         ed. |                |

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(Cont'd. of page 6)

• 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.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. If the dilution of the use-level pH-value is considerably increased after use, the aqueous waste, emptied into drains, is only low water-dangerous.

Other adverse effects No relevant information available.

#### **13 Disposal considerations**

#### <sup>·</sup> Waste treatment methods

#### · Recommendation:

Dilute concentrate with water and neutralize afterwards with suitable material (lime or chalk). The formed salts are inert and pose little hazard.

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.

#### <sup>·</sup> Uncleaned packagings

• **Recommendation:** Disposal must be made according to official regulations.

| UN-Number                    |                |  |
|------------------------------|----------------|--|
| DOT, ADR/RID/ADN, IMDG, IATA | UN1830         |  |
| UN proper shipping name      |                |  |
| DOT                          | Sulfuric acid  |  |
| ADR/RID/ADN, IMDG            | SULPHURIC ACID |  |
| IATA                         | Sulphuric acid |  |

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| ade name: Sulfuric Acid, 50% v/v (1:1)        |                                 |     |
|---|---------------------------------|-----|
|   | (Cont'd. of                     | paę |
| DOT   |                                 |     |
| LE SU<br>CONDOUR                              |                                 |     |
| Class   | 8                               |     |
| Label   | 8                               |     |
| ADR/RID/ADN                                   |                                 |     |
|   |                                 |     |
| Class   | 8 (C1)                          |     |
| Label   | 8                               |     |
| IMDG, IATA                                    |                                 |     |
|   |                                 |     |
| Class   | 8                               |     |
| Label   | 8                               |     |
| Packing group<br>DOT, ADR/RID/ADN, IMDG, IATA | II                              |     |
| Environmental hazards                         |                                 |     |
| Marine pollutant:                             | No                              |     |
| Special precautions for user                  | Warning: Corrosive substances   |     |
| Danger code (Kemler):                         | 80                              |     |
| · EMS Number:                                 | F-A,S-B                         |     |
| · Segregation groups                          | Acids                           |     |
| Transport in bulk according to Annex          | ll of                           |     |
| MARPOL73/78 and the IBC Code                  | Not applicable.                 |     |
| Transport/Additional information:             |                                 |     |
|   |                                 |     |
| · Quantity limitations                        | On passenger aircraft/rail: 5 L |     |
|   | On cargo aircraft only: 60 L    |     |
| · Hazardous substance:                        | 1000 lbs, 454 kg                |     |

# 15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture · United States (USA) · SARA

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|   | (Cont'd. of pa |
|---|----------------|
| Section 302 (extremely hazardous substances):               |                |
| None of the ingredients are listed.                         |                |
| Section 355 (extremely hazardous substances):               |                |
| 7664-93-9 Sulfuric acid                                     |                |
| Section 313 (Specific toxic chemical listings):             |                |
| 7664-93-9 Sulfuric acid                                     |                |
| TSCA (Toxic Substances Control Act)                         |                |
| All ingredients are listed or exempt.                       |                |
| Proposition 65 (California)                                 |                |
| Chemicals known to cause cancer:                            |                |
| None of the ingredients are listed.                         |                |
| Chemicals known to cause developmental toxicity for females | s:             |
| 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.                         |                |
| Other information   |                |

#### · 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

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(Cont'd. of page 9) 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

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