# Safety Data Sheet acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 06, 2019

Revision: February 21, 2019

nonized System (GHS).
lations within the United States.
t have been identified.

Γ	7732-18-5	Water	99.309%
ſ	7778-77-0	potassium dihydrogenorthophosphate	0.338%
	7558-79-4	Disodium hydrogenorthophosphate	0.353%

#### · Additional information:

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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**

- Description of first aid measures
- · General information: No special measures required.
- · After inhalation: Supply fresh air: consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- If skin irritation is experienced, consult a doctor.
- · After eve contact: Remove contact lenses if worn.
- Rinse opened eye for several minutes under running water. If symptoms persist, 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:
- Gastric or intestinal disorders when ingested.
- **Danger:** No relevant information available.
- · Indication of any immediate medical attention and special treatment needed: No relevant information available.

#### **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
- Formation of toxic gases is possible during heating or in case of fire.
- 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 Ensure adequate ventilation.
- Use personal protective equipment as required.
- · Environmental precautions No special measures required.
- <sup>•</sup> Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles.

**Reference to other sections** 

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

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

· Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Store in cool, dry conditions in well sealed receptacles.

Unsuitable material for receptacle: aluminium.

- · Information about storage in one common storage facility:
- Store away from foodstuffs.

Do not store together with alkalis (caustic solutions).

Do not store together with oxidizing and acidic materials.

- Further information about storage conditions: Keep containers tightly sealed.
- Specific end use(s) No relevant information available.

#### 8 Exposure controls/personal protection

#### Control parameters

· Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · 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.

Avoid breathing mist, vapors, or spray.

- Engineering controls: Provide adequate ventilation.
- · Breathing equipment: Not required under normal conditions of use.
- · Protection of hands:



Protective gloves

# • Material of gloves

Butyl rubber, BR Fluorocarbon rubber (Viton)

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Natural rubber, NR Neoprene gloves Nitrile rubber, NBR Sensibilization by the components in the glove materials is possible.

· 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 special requirements.
- · Risk management measures No special requirements.

9 Physical and chemical properties					
Information on basic physical and chemical properties					
· Appearance:					
Form:	Liquid				
Color:	Colorless				
· Odor: · Odor threshold:	Odorless Not determined.				
	Not determined.				
<sup>.</sup> pH-value at 20 ℃ (68 ℉):	6.86				
· Melting point/Melting range:	0 ℃ (32 °F)				
· Boiling point/Boiling range:	100-102 ℃ (212-215.6 °F)				
· 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.				
Upper:	Not determined.				
<ul> <li>Oxidizing properties:</li> </ul>	Non-oxidizing.				
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)				
· Density at 20 ℃ (68 ℉):	1 g/cm³ (8.35 lbs/gal)				
· Relative density:	Not determined.				
· Vapor density:	Not determined.				
· Evaporation rate:	Not determined.				
· Solubility in / Miscibility with					
Water:	Fully miscible.				
· Partition coefficient (n-octanol/wate	er): Not determined.				
		(Cont'd. on page			

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 Viscosity Dynamic: Kinematic:
 Other information

Not determined. Not determined. No relevant information available.

#### 10 Stability and reactivity

- · Reactivity: No relevant information available.
- · Chemical stability: Stable under normal temperatures and pressures.
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

• **Possibility of hazardous reactions** Toxic fumes may be released if heated above the decomposition point. Reacts with alkali (lyes).

- · Conditions to avoid Store away from oxidizing agents.
- · Incompatible materials No relevant information available.
- · Hazardous decomposition products

Under fire conditions only: Sodium oxides

Carbon monoxide and carbon dioxide

#### 11 Toxicological information

Information on toxicological effects

- · Acute toxicity: Based on available data, the classification criteria are not met.
- · LD/LC50 values that are relevant for classification: None.
- · Primary irritant effect:
- · On the skin: Based on available data, the classification criteria are not met.
- On the eye: Based on available data, the classification criteria are not met.
- · Sensitization: Based on available data, the classification criteria are not met.

#### · IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

#### · NTP (National Toxicology Program):

None of the ingredients are listed.

#### · OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

#### · Probable route(s) of exposure:

Ingestion.

Inhalation.

Eye contact. Skin contact.

· Acute effects (acute toxicity, irritation and corrosivity): No relevant information available.

· Repeated dose toxicity: No relevant information available.

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

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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: Generally not hazardous for water.
- <sup>•</sup> Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No relevant information available.

#### 13 Disposal considerations

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

· Recommendation:

Smaller quantities can be disposed of with household waste.

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.

14 Transport information		
<sup>·</sup> UN-Number · DOT, ADR/RID/ADN, IMDG, IATA	Not regulated.	
<ul> <li>UN proper shipping name</li> <li>DOT, ADR/RID/ADN, IMDG, IATA</li> </ul>	Not regulated.	
<ul> <li>Transport hazard class(es)</li> </ul>		
<ul> <li>DOT, ADR/RID/ADN, IMDG, IATA</li> <li>Class</li> </ul>	Not regulated.	
<ul> <li>Packing group</li> <li>DOT, ADR/RID/ADN, IMDG, IATA</li> </ul>	Not regulated.	
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Not applicable.

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Environmental hazards

<sup>·</sup> Special precautions for user

 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

# 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 355 (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)

All ingredients are listed.

#### · 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) (Substances not listed.):

All 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.

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(Cont'd. of page 7) 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 PBT: Persistant, Bio-accumulable, Toxic vPvB: very Persistent and very Bioaccumulative OSHA: Occupational Safety & Health Administration · 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 SDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com