



Avoid inhalation.

### **Environmental**

Do not let product enter drains

Methods for contamination and clean-up

Sweep up and shovel. Store in a suitable tightly closed container.

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## **SECTION 7 HANDLING AND STORAGE**

### **Safe Handling instructions**

Avoid contact with skin and eyes. Provide appropriate exhaust ventilation in locations where dust is formed

### **Safe Storage Conditions**

Keep in tightly closed dry container in a well-ventilated area. Storage temperature 2-8°C.

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## **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

-Respiratory protection- Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN( EU).

-Hand protection- Handle with gloves. Use proper glove technique (without touching outer surface of glove) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with all applicable laws and good laboratory practices.

-Eye protection- Use eye protective equipment tested and approved under appropriate government standards.

- Skin and body- The type of protective equipment must be selected according to the work-place regulations.

-Hygiene- General industrial hygiene and good laboratory practices are to be used.

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## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Physical state is powder.

No data available for pH, melting point, boiling point, lower and upper exposure limits, water solubility or evaporation rate

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## **SECTION 10 STABILITY AND REACTIVITY**

### **Chemical Stability**

Stable under recommended storage and use conditions

### **Possible hazardous reactions**

No data available

### **Materials to avoid**

Strong oxidizing agents

### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions-Carbon oxides

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## **SECTION 11 TOXICOLOGICAL INFORMATION**

### **Acute toxicity**

No data available for oral LD50, inhalation LC50, dermal LD50, skin irritation or sensitization

**Germ cell mutagenicity/Reproductive toxicity**- no data available

### **Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.

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

No data available

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

No data available

### **Aspiration hazard**

No data available

### **Potential health effects**

-Inhalation- May be harmful if inhaled.

-Ingestion- May be harmful if swallowed.

-Skin- May be harmful if absorbed through skin. May cause skin irritation.

-Eyes- May cause eye irritation

Signs and Symptoms of Exposure

Vomiting, diarrhea, dehydration and congestion may occur in internal organs.

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## **SECTION 12 ECOLOGICAL INFORMATION**

No data available for toxicity, bioaccumulative potential or other adverse effects

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## **SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable Federal, State and Local regulations.

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## **SECTION 14 TRANSPORT INFORMATION**

### **IATA**

This substance is considered to be non-hazardous for ground or air transport.

### **DOT (US)**

This product is classified as not dangerous goods.

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## **SECTION 15 REGULATORY INFORMATION**

### **OSHA Hazard**

No known OSHA hazards

**SARA 302:** No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302

**SARA 313:** No chemicals in this material are subject to reporting requirements of SARA Title III, Section 313.

**SARA 311/312:** Chronic Health Hazard

### **California Prop. 65 Components**

This product does not contain any chemicals known to the State of California (USA) to cause cancer, birth defects, or any other reproductive harm.

### **Right To Know components**

Disodium hydrogenorthophosphate	CAS-No 7558-79-4
Sodium Chloride	CAS-No 7647-14-5
Glucose	CAS-No 50-99-7
Potassium chloride	CAS-No 7447-40-7
Sodium dihydrogenorthophosphate	CAS-No 7558-80-7

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## **SECTION 16 OTHER INFORMATION**

### **Disclaimer:**

For research use only. Not for clinical, drug, household or other uses.

### **Warranty:**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Zen-Bio shall have no liability for any direct, indirect, consequential or incidental damages arising out of the use, the results of use, the inability to use, the handling or contact with this product.

### **Glossary**

CAS	Number Chemical Services Abstract Number
DOT	U.S. Department of Transportation
GHS	Global Harmonized System
HMIS	Hazardous Materials Identification System
IARC	International Agency of Research on Cancer
IATA	International Air Transport Association
NFPA	The National Fire Protection Association
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substances Control Act

**VERSION: 01**

**CREATED: APR 22 2014**