



<b>Eye contact</b>	Immediately flush eyes with plenty of tepid water for 15 minutes while separating eyelids with fingers. Remove contact lenses if worn. Obtain medical attention if needed or if symptoms, such as redness or irritation persist.
<b>Skin contact</b>	In case of contact, flush skin with cool water and remove contaminated clothing. Obtain medical attention if needed or if irritation or other symptoms develop.
<b>Ingestion</b>	In case of ingestion, contact a poison control center or physician for instructions.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.
<b>Extinguishing media which must not be used for safety reasons</b>	Unknown.
<b>Specific hazards</b>	Material may burn when exposed to sufficient heat.
<b>Hazardous combustion products</b>	Toxic gases may be generated by combustion, including carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ) and phosphorus oxides (PO <sub>x</sub> ).
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid physical contact with material and avoid generating or inhaling dust. Ensure adequate ventilation. Wear Personal Protective Equipment (PPE) as indicated in Section 8. Wash hands thoroughly after handling.
<b>Environmental precautions</b>	No information available.
<b>Methods for cleaning up</b>	Do not dry sweep powder. Use HEPA-filtered vacuum, if available, otherwise wet mop to clean up a powder spill. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Follow good laboratory hygiene practices. See Section 8, Engineering Controls. Minimize contact and contamination of personal clothing and skin. Wash hands thoroughly after handling.
<b>Storage</b>	Store desiccated at -20°C (-4°F). Do not store with incompatible substances; see Section 10.
<b>Specific uses</b>	For in vitro diagnostic use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limit values</b>	There are no EU or country-specific occupational exposure limits currently established for this preparation or its components.
<b>Exposure controls</b>	Use in well ventilated areas. If handling large quantities or there is a potential for dust or aerosol generation, use local exhaust ventilation. Facilities storing or using this material should be equipped with an eyewash fountain and a safety shower.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	A respirator is not required under normal conditions of use.
<b>Hand protection</b>	Wear chemical resistant protective gloves.
<b>Eye protection</b>	Wear appropriate protective chemical safety glasses.
<b>Skin and body protection</b>	Wear lab coat or other protective garments. Remove contaminated clothing promptly.
<b>General</b>	Follow company-specific safety procedures.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid.
<b>Appearance</b>	Yellow powder
<b>Odor</b>	Not available
<b>pH</b>	6 - 7 (in aqueous solution)
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not applicable
<b>Boiling point</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not applicable

<b>Auto-ignition temperature</b>	Not available
<b>Oxidising properties</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Relative density</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Solubility (water)</b>	Water-soluble
<b>Viscosity</b>	Not available
<b>Vapor density</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under ordinary conditions of use and storage. See Section 7.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Unknown.
<b>Materials to avoid</b>	Unknown.
<b>Hazardous decomposition products</b>	Thermal decomposition may lead to release of irritating gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure</b>	Occupational exposure routes may include eye contact, skin contact and inhalation.
<b>Acute toxicity</b>	No data available.
<b>Local effects</b>	No data available.
<b>Chronic toxicity</b>	No data available.
<b>Carcinogenicity</b>	No data available.
<b>Mutagenicity</b>	No data available.
<b>Teratogenicity</b>	No data available.
<b>Sensitization</b>	No data available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data available.
<b>Mobility in environmental media</b>	No data available.
<b>Persistence / degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	Dispose of unused product, spilled material and waste in accordance with all applicable federal, state, local and provincial environmental and hazardous waste regulations.
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## 14. TRANSPORT INFORMATION

### ADR

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

### International regulations

#### EU EINECS: Registration Status/EINECS number

Glucose oxidase (9001-37-0) Listed.

#### Germany Substances That Are Water-Endangering (WGK): WGK Identification Number/Classification/Source of Classification: Annex 2 c

Glucose oxidase (9001-37-0) Classification source is Annex 3. Slightly water-endangering.

Sodium phosphate monobasic dihydrate (13472-35-0) Classification source is Annex 2. Slightly water-endangering.

### Water hazard class

**VwVws** WGK1

## 16. OTHER INFORMATION

<b>Further information</b>	This SDS has been prepared in accordance with the hazard criteria and content requirements of the UK Chemical Hazard Information and Packaging Regulations and the European Communities Hazardous Preparations and REACH Regulations.
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