



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Sodium Metaperiodate

**Catalog Number:** 3506140-1

**Part of Kits:** 3506125-8, 3506126-6

**Chemical Name:** Sodium periodate meta

**CAS #:** 7790-28-5

**Formula:** NaIO<sub>4</sub>

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### INGREDIENTS

**Components:** Sodium Metaperiodate

**Threshold Limit Values:** N/A

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### PHYSICAL DATA

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Specific Gravity:** 3.865

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

**Solubility H<sub>2</sub>O:** 14.4 g/100 g water @ 25

**pH:** N/A

**Appearance:** colorless crystals

**Odor:** Odorless

**Melting Point:** 300C (572) Decomposes

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### FIRE AND EXPLOSION HAZARD DATA

**Flammable Limits in air % by volume:**

**Lel:** N/A

**Uel:** N/A

**Flash Point:** N/A

**Auto Ignition Temp:** N/A

**Extinguishing Media:** Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire.

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self contained breathing apparatus. Water spray may help keep containers cool.

**Unusual Fire and Explosion Hazards:** May explode when exposed to mechanical shock or friction or can cause explosions with combustible materials.

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### REACTIVITY DATA

**Stability:** Stable under ordinary conditions of use and storage. Strong oxidizing characteristics appear when mixed with acid solutions.

**Incompatibility:** Substance may react violently with some organic compounds or reducing agents, finely divided aluminum or magnesium metal, hydrides, strong reducing agents, ammonium perchlorate.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Oxides of the contained metal and halogen, possibly also free, or ionic halogen.

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### **ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:** Wear suitable clothing and respiratory equipment suitable for flammable and fire promoting materials. Dike and cover spill with ferrous sulfate, sodium sulfite or sodium thiosulfate, then moisten and acidify, if necessary, to promote the reduction reaction. Neutralize slurry with soda ash. Transfer to a suitable closed container, preferably metal, for intermediate storage before reclamation or disposal.

**Waste Disposal Method:** Dispose in accordance with state, local and federal regulations to an approved waste disposal facility.

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### **SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Chemical Safety goggles, contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

**Skin Protection:** Gloves and other protective clothing.

**Respiratory Protection:** For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

**Ventilation:** Keep vapor levels as low as possible. A local exhaust system which captures the contaminant at its source is recommended to

prevent dispersion of the contaminant into the workroom air.

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### **SPECIAL PRECAUTIONS**

#### **Insert Precautions:**

Keep container tightly closed and store in a cool dry place away from sources of heat or ignition. Do not store on wooden floors. Isolate from flammable materials.

**Contaminated Equipment Precautions:** Wash thoroughly with soap and water.

**Hygienic Handling and Storage:** Wash thoroughly with soap and water.

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### **EMERGENCY AND FIRST AID PROCEDURES:**

**Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. May cause gastrointestinal upset with abdominal pain, vomiting and diarrhea.

**Inhalation:** Remove to fresh air. If difficulty breathing, give oxygen. If not breathing, give artificial respiration. Seek medical attention. May irritate the respiratory tract, with symptoms of coughing and possible shortness of breath.

**Skin Contact:** Wash immediately with soap and water. May cause irritation.

**Eye Contact:** Rinse with copious amounts of water for 15 minutes. Seek medical attention if irritation develops.

Emergency Response - 1-800-255-3924

*The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either express or implied of merchantability fitness for a particular purpose or of any other nature made hereunder with respect to the information set forth herein or to the product which the information refers.*