

## SAFETY DATA SHEET (SDS)

*Diazo Reagent*

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** Diazo Reagent  
**Chemical Name:** Diazo Reagent  
**Catalog Number:** 35071601  
**Part of Kits:** 35070001, 35070206  
**Use of chemical:** Laboratory chemical

**Identification of Manufacturer:**

**Manufacturer/Supplier:** Biochemical Diagnostics, Inc.  
 180 Heartland Blvd., Edgewood, NY 11717  
 Phone: (631) 595-9200 | Fax: (631) 595-9204  
**Emergency telephone number:** (800) 255-3924

### 02. Hazard(s) Identification

**Classification of substance or mixture:**

Acute toxicity, Oral (Category 3)  
*Toxic if swallowed*  
 Acute toxicity, Inhalation (Category 1)  
*Fatal if inhaled*  
 Acute toxicity, Dermal (Category 1)  
*Fatal in contact with skin*  
 Acute aquatic toxicity (Category 1)  
 Chronic aquatic toxicity (Category 1)

**Label elements:**

**Hazard pictograms**



Toxic



Environmental Hazard

**Signal word:** Danger

**Hazard statements:**

H301 Toxic if swallowed.  
 H310+H330 Fatal in contact with skin or if inhaled.  
 H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
 P264 Wash skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection  
 P284 Wear respiratory protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or physician.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 3  
 Fire = 1  
 Reactivity = 0

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**HMIS-ratings (scale 0 - 4)**

HEALTH	3	Health = 3
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

### 03. Composition/information on ingredients

**Chemical Characterization:** Substance

**CAS No. Description** : not available

**Formula Components** : Sodium Nitrite, p-Nitroaniline

**Molecular weight** : not available

### 04. First aid measures

**Description of first aid measures:**

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Consult a physician.

**Ingestion:** Toxic if swallowed. Rinse mouth with water. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Wash immediately with soap and water. Seek immediate medical attention. May be fatal if absorbed through skin.

**Eye Contact:** Rinse with thoroughly with plenty of water for at least 15 minutes. Seek medical attention.

### 05. Firefighting measures

**Extinguishing media:** Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** May explode when heated. Can explode when mixed with cyanides, ammonium salts, phthalic acid or anhydride, thiosulphates or urea.

### 06. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Avoid breathing vapors, mist or gas. Keep unprotected persons away. Ensure adequate ventilation.

**Environmental precautions:**

Prevent further leakage if safe to do. Do not allow to enter sewers/surface or ground water.

**Methods and material for containment and cleaning up:**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in closed containers for disposal.

**Waste Disposal Method:**

Dispose in accordance with state, local and federal regulations

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### 07. Handling and storage

**Handling:**

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust.

**Conditions for safe storage, including any incompatibilities:**

**Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place.

**Further information about storage conditions:** Keep container tightly sealed.  
Store in dry and well-ventilated place in well-sealed receptacles.

### 08. Exposure controls/ personal protection

**Exposure Controls:**

**Control parameters:**

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

PEL Long-term value: no data available

REL Long-term value: no data available

TLV Short-term value: no data available

**Personal protective equipment:**

**General protective and hygienic measures:** 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.

**Eye Protection:**



Tightly sealed safety glasses or face shield.

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

**Protection of Hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Dispose of gloves after use.

**Respiratory Protection:** Use chemical fume hood. If exposure limits exceeded, use NIOSH approved and tested full-face respirator that is independent of circulating air.

**Ventilation:** Keep vapor levels as low as possible, use adequate general or local exhaust.

### 09. Physical and chemical properties

**Appearance:**

**Form:** Solid, Crystals

**Color:** Yellow

**Odor:** no data available

**pH:** no data available

**Melting Point:** no data available

**Boiling Point:** no data available

**Flash Point:** no data available

**Ignition temperature:** no data available

**Explosion limits: Lower:** no data available

**Upper:** no data available

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<b>Vapor Pressure @ 20°C:</b> no data available
<b>Specific Gravity @ 20°C (68°F):</b> no data available
<b>Vapor Density:</b> no data available
<b>Percent Volatile:</b> no data available
<b>Evaporation Rate:</b> no data available
<b>Flammable Limits in air % by volume:</b> <b>Lel:</b> no data available <b>Uel:</b> no data available
<b>Solubility in/ Miscibility with Water@20°C:</b> almost insoluble

### 10. Stability and reactivity

<b>Stability:</b> Slowly oxidizes to nitrite in presence of air.
<b>Incompatibility:</b> Can explode if mixed with cyanides, ammonium salts, phthalic acid or anhydride, thiosulphates, or urea. Strong acids, oxidizing agents, and reducing agents.
<b>Conditions to Avoid:</b> Heat, sparks, open flame.
<b>Hazardous Polymerization:</b> Will not occur
<b>Hazardous Decomposition:</b> Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

### 11. Toxicological information

<p><b>Acute toxicity:</b>  <b>LD/LC50 values that are relevant for classification:</b>            Oral: LD50 59.5 mg/kg (rat)            Remarks: Behavioral: Somnolence (depressed activity). Lungs, Thorax, or Respiration: Dyspnea.            Skin and Appendages: Other: Hair.            Inhalation: no data available            Dermal: LD50 1900 mg/kg (rabbit)</p>
<p><b>Potential health effects:</b>  <b>On the skin:</b> May be fatal if absorbed through skin. May cause skin irritation.  <b>On the eye:</b> May cause eye irritation.  <b>Inhalation:</b> Irritating to mucous membranes if inhaled. May cause respiratory tract irritation.  <b>Ingestion:</b> Toxic if swallowed. Large doses cause nausea, vomiting, cyanosis, collapse and coma. Repeated small doses cause a fall in blood pressure, rapid pulse, headache, and visual disturbance.  <b>Signs and Symptoms of Exposure:</b> Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer. Symptoms include Burning sensation, Cough, Shortness of breath, Headache, Laryngitis, Nausea, Vomiting.</p>

### 12. Ecological information

<p><b>Toxicity:</b> Daphnia Magna: 48 Hr-LC50 = 20-30 ppm, slightly toxic.            Rainbow Trout: 96 Hr-LC50 = 45 ppm, slightly toxic.            Bluegill Sunfish: 96 Hr-LC50 = 80 ppm, slightly toxic.</p> <p><b>Persistence and degradability:</b> No data available.</p> <p><b>Bioaccumulative potential:</b> Bioaccumulation Danio rerio (zebra fish) - 96 h - 0.028 mg/l</p> <p><b>Mobility in soil:</b> No data available.</p> <p><b>Other adverse effects:</b> An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.</p>
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**SAFETY DATA SHEET (SDS)***Diazo Reagent***13. Disposal considerations****Waste treatment methods****Product:**

Dispose of in accordance with local, state and federal regulations.

**Contaminated packaging:**

Disposal must be made according to official regulations.

**14. Transport Information****UN Number:**

1661

**UN proper shipping name:**

Nitroanilines (p-)

**Transport hazard class(es):**

6.1

**Packing group:**

II

**Environmental hazards:**

Harmful to aquatic life

**Special precautions**

None

**15. Regulatory Information****SARA 302 Components:**

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

**SARA 313 Components:**

The following components are subject to reporting levels established by SARA Title III, Section 313:

p-Nitroaniline CAS-No. 100-01-6 Revision Date 2007-07-01

**SARA 311/312 Hazards:**

Acute Health Hazard

**16. Other Information**

Revision B, June 2015

*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.*