1 Identification of substance:

- **Product details:**
  - **Trade name:** Amido Black 10B
  - **Catalog or product number:** 1610402, 1610402EDU
  - **Application of the substance / the preparation** Laboratory chemicals

- **Manufacturer/Supplier:**
  Bio-Rad Laboratories, Life Science Group
  2000 Alfred Nobel Drive
  Hercules, California  94547 (510)741-1000

- **Information department:** Technical services, customer support.

- **Emergency information:**
  1(800)424-9300  Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.
  510-741-1000

2 Composition/Information on components:

- **Chemical characterization:**
  - **CAS No. Description:**
    1064-48-8 sodium 4-amino-5-hydroxy-3-(4-nitrophenylazo)-6-(phenylazo)naphthalene-2,7-disulphonate

- **Identification number(s):**
  - **EINECS Number:** 213-903-1

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Emergency overview:**
  Irritant to eyes.
  Irritant to skin.
  Irritant to respiratory system.
  Irritant to respiratory system and skin.
  Xi Irritant

- **Routes of exposure:**
  Inhalation
  Skin

- **Information pertaining to particular dangers for man and environment**
  R 36/37/38 Irritating to eyes, respiratory system and skin.

- **Classification system**
  The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

- **OSHA hazard ratings**
  - **Health** 1: Slight hazard.

4 First aid measures

- **After inhalation** In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact**
  Immediately wash with water and soap and rinse thoroughly.
  Immediately rinse with water.
Material Safety Data Sheet

Trade name: Amido Black 10B

- After eye contact
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing
  Induce vomiting and call for medical help.
- Information for doctor
- The following symptoms may occur: Breathing difficulty

5 Fire fighting measures

- Suitable extinguishing agents
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: Not required
- Measures for environmental protection: No special measures required.
- Measures for cleaning/collecting: Ensure adequate ventilation.

7 Handling and storage

- Handling
  - Information for safe handling:
    No special measures required.
    No special precautions are necessary if used correctly.
  - Information about protection against explosions and fires: No special measures required.
- Storage
  - Requirements to be met by storerooms and receptacles: According to product specification
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep receptacle tightly sealed.

8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- 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.
- Breathing equipment:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- Protection of hands: Protective gloves.
- Material of gloves: Synthetic gloves
9 Physical and chemical properties:

- **Form:** Crystalline powder
- **Color:** Dark blue
- **Odor:** Odorless

- **Change in condition**
  - **Melting point/Melting range:** Undetermined
  - **Boiling point/Boiling range:** Undetermined

- **Flash point:** Not applicable

- **Flammability (solid, gaseous)**
  - Product is not flammable.

- **Danger of explosion:**
  - Product does not present an explosion hazard.

- **Density at 20°C:** 0.82 g/cm³

- **Solubility in / Miscibility with**
  - **Water:** Insoluble
  - **Organic solvents:** 0.0 %

- **Solids content:** 100.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions**
  - No dangerous reactions known
- **Dangerous products of decomposition:**
  - No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritant effect.
- **Sensitization:**
  - No sensitizing effects known.
- **Target organs:**
  - Skin.
  - Eye.
13 Disposal considerations

- Product:
  - Recommendation
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  Hand over to hazardous waste disposers.

- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- DOT regulations:
- Hazard class: -

- Land transport ADR/RID (cross-border)
  - ADR/RID class: -

- Maritime transport IMDG:
  - IMDG Class: -
  - Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:
  - ICAO/IATA Class: -

15 Regulations

- SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)
  - Section 302/304 (40CFR355.30 / 40CFR355.40):
    Substance not listed.

  - Section 313 (40CFR372.65):
    Substance is not listed.

- TSCA (Toxic Substances Control Act):
  Substance is listed.

- Cancerogenity categories
  - EPA (Environmental Protection Agency)
    Substance is not listed.

  - IARC (International Agency for Research on Cancer)
    Substance is not listed.

  - NTP (National Toxicology Program)
    Substance is not listed.

  - TLV (Threshold Limit Value established by ACGIH)
    Substance is not listed.

  - MAK (German Maximum Workplace Concentration)
    Substance is not listed.

  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    Substance is not listed.
### Trade name: Amido Black 10B

- **OSHA-Ca (Occupational Safety & Health Administration)**
  - Substance is not listed.

- **Markings according to EU guidelines:**
  - The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

- **Code letter and hazard designation of product:**
  - Xi Irritant

- **Risk phrases:**
  - 36/37/38 Irritating to eyes, respiratory system and skin.

- **Safety phrases:**
  - 24/25 Avoid contact with skin and eyes.
  - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - 28 After contact with skin, wash immediately with plenty of water

### National regulations

<table>
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<th>Share in %</th>
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### 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.

- **Department issuing MSDS:** Environmental Health and Safety.
- **Contact:**
  - Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000
  - Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000
- **Data compared to the previous version altered.**