



## Amido Black Powder MSDS

Effective Date: July 31, 2013

24 Hour Emergency Contact:

ChemTel: (800)255-3924

www.pioneerforensics.com

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product:** Amido Black 10B Powder  
**Product Number(s):** PF010  
**CAS#:** 1064-48-8  
**Synonyms:** Acid Black 1; Aniline Blue Black; Naphthol black 12B; Naphthol Blue Black  
**Manufacturer:** Pioneer Forensics, LLC  
804 E. Eisenhower Blvd.  
Loveland, CO 80537  
Ph: (970) 292-8487  
**Emergency Number:** (800) 255-3924 (CHEM-TEL)  
**Customer Service:** (970) 292-8487

### 2. HAZARDS IDENTIFICATION

**Emergency Overview:** MAY CAUSE IRRITATION TO SKIN, EYES, RESPIRATORY TRACT, AND/OR GASTROINTESTINAL TRACT. MAY BE HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.

*Safety Ratings:* Health: 1, Slight                      Reactivity: 0, None  
Flammability: 0, None                      Contact: 1, Slight

**OSHA Regulatory Status:** This product is not considered a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### Potential Acute Health Effects:

**Routes of Exposure:** Inhalation, ingestion, skin contact, eye contact

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed. May cause irritation of the gastrointestinal tract.

**Skin Contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye Contact:** May be harmful if contacted with eyes. May cause eye irritation.

**Target Organs:** Skin, eyes

**Chronic Health Effects:** No chronic health effects known or anticipated.

**Potential Environmental Effects:** This product is not expected to be harmful to the environment.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

| <u>Components</u> | <u>CAS#</u>      | <u>Chemical Formula</u>     | <u>Formula Weight</u> | <u>Hazardous</u> | <u>% by Weight</u> |
|-------------------|------------------|-----------------------------|-----------------------|------------------|--------------------|
| Amido Black 10B   | 1064-48-8<br>100 | $C_{22}H_{14}N_6O_9S_2Na_2$ | 616.52                | No               |                    |

### 4. FIRST AID MEASURES

#### First Aid Procedures:

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Remove to fresh air. If breathing is difficult, administer oxygen. If the victim is not breathing, provide artificial respiration. Get medical attention if symptoms persist.  |
| <b>Ingestion:</b>    | If swallowed, give several glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.  |
| <b>Skin Contact:</b> | In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.   |
| <b>Eye Contact:</b>  | Check for and remove contact lenses. Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if irritation persists. |

**General Advice:** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

**Notes to Physician:** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**NFPA Ratings:** Health: 2      Flammability: 1      Reactivity: 0

**Flammable Properties:** May be combustible at high temperatures.

**Flash Point:** No information found

**Auto-ignition Temp:** No information found

**Flammable Limits in Air (% by volume):** No information found

**Suitable Extinguishing Media:** Water spray, dry powder, carbon dioxide, appropriate foam

**Unsuitable Extinguishing Media:** Do not use a solid (straight) water stream as it may scatter and spread fire.

**Hazardous Combustion Products:** Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides

**Specific Hazards:** May be flammable or explosive in the presence of flames, heat, or sparks.

**Special Protective Equipment For Firefighters:** As in any fire, wear MSHA/NIOSH approved (or equivalent) self-contained positive pressure or pressure-demand breathing apparatus and full protective gear.

**Specific Methods:** Use water spray to cool unopened containers. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion, do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

|                                   |   |
|-----------------------------------|---|
| <b>Personal Precautions:</b>      | Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in the Exposure Control and Personal Protection Section 8. Avoid contact with eyes, skin, and clothing. Avoid transfer of product into the air as dust.  |
| <b>Environmental Precautions:</b> | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for Containment:</b>   | Prevent entry into waterways, sewer, basements or confined areas.   |
| <b>Methods for Cleaning Up:</b>   | Absorb spill with an inert material (e.g. vermiculite, dry sand, earth, cloth, fleece) and place in a suitable container for reclamation or disposal. Clean contaminated surface thoroughly. Never return spills in original containers for re-use. Clean up in accordance with all applicable regulations. |

## 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Wear personal protective equipment (see section 8). Avoid contact with skin, eyes and clothing. Do not ingest or inhale. Keep product and container away from heat and flame. Wash thoroughly after handling. |
| <b>Storage:</b>  | Store in a cool, dry, ventilated area. Keep containers tightly closed and upright.  |

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

|  |  |
|--|--|
| <b>Exposure Limits:</b>                | No information found   |
| <b>Engineering Controls:</b>           | In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.   |
| <b>Personal Protective Equipment:</b>  |  |
| <b>Eye/Face Protection:</b>            | Wear safety glasses or goggles.  |
| <b>Skin Protection:</b>                | Wear appropriate clothing to prevent repeated or prolonged skin contact.   |
| <b>Respiratory Protection:</b>         | Not expected to require the use of a respirator, however, if engineering controls do not maintain airborne concentrations to an acceptable level, an approved/certified respirator should be worn.   |
| <b>General Hygiene Considerations:</b> | Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                           |                             |
|---------------------------|-----------------------------|
| <b>Physical State:</b>    | Solid                       |
| <b>Appearance:</b>        | Crystalline powder          |
| <b>Color:</b>             | Dark blue                   |
| <b>Odor:</b>              | Odorless                    |
| <b>Molecular Formula:</b> | $C_{22}H_{14}N_6O_9S_2Na_2$ |

|   |  |
|---|--|
| <b>Molecular Weight:</b>                            | 616.52                                 |
| <b>pH:</b>  | 9.0 (1% w/v aqueous solution at 25 °C) |
| <b>Specific Gravity:</b>                            | No information found                   |
| <b>Freezing/Melting Point:</b>                      | No information found                   |
| <b>Boiling Point:</b>                               | No information found                   |
| <b>Flash Point:</b>                                 | No information found                   |
| <b>Auto Ignition Temperature:</b>                   | No information found                   |
| <b>Flammable Limits in Air<br/>(% by Volume):</b>   | No information found                   |
| <b>Solubility:</b>                                  | 10 g/L at 25 °C (77 °F)                |
| <b>Vapor Pressure:</b>                              | No information found                   |
| <b>Vapor Density:</b>                               | No information found                   |
| <b>Percent Volatile:</b>                            | No information found                   |
| <b>Odor threshold (ppm):</b>                        | No information found                   |
| <b>Evaporation Rate:</b>                            | No information found                   |
| <b>Partition Coefficient<br/>(n-octanol/water):</b> | No information found                   |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                              | Stable under normal conditions.   |
| <b>Conditions to Avoid:</b>                    | Incompatible materials, dust generation, excessive heat, high temperatures  |
| <b>Incompatible Materials:</b>                 | Strong oxidizers, reducing agents   |
| <b>Hazardous Decomposition<br/>Products:</b>   | Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides  |
| <b>Possibility of Hazardous<br/>Reactions:</b> | Hazardous decomposition products are formed in excessive thermal conditions or when exposed to the incompatible materials listed above. Transfer of product into air as dust may cause an explosion hazard. |
| <b>Hazardous Polymerization:</b>               | Will not occur.   |

## 11. TOXICOLOGICAL INFORMATION

|                                   |   |
|-----------------------------------|---|
| <b>Toxicological Data:</b>        | No information found  |
| <b>Acute Effects:</b>             | Hazardous if exposed to eyes or skin.   |
| <b>Local Effects:</b>             | Causes irritation to eyes and skin. May cause irritation to respiratory system. |
| <b>Sensitization:</b>             | Not a skin sensitizer.  |
| <b>Chronic Effects:</b>           | No information found  |
| <b>Carcinogenic Effects:</b>      | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| <b>Skin Corrosion/Irritation:</b> | Causes skin irritation.   |
| <b>Epidemiology:</b>              | No epidemiological data is available for this product.                          |
| <b>Mutagenicity:</b>              | May be mutagenic based on microorganism data.                                   |
| <b>Neurological Effects:</b>      | No information found  |

**Reproductive Effects:** No information found

**Teratogenic Effects:** No information found

**Target Organs and Symptoms:** Skin, eyes, mucous membranes, lungs. Causes irritation.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Data:** No information found

**Ecotoxicity:** No information found

**Environmental Effects:** No information found

**Aquatic Toxicity:** No information found

**Persistence and Degradability:** Degradation may occur with long term exposure to the environment. Products of degradation are more toxic than the product itself.

**Partition Coefficient (n-octanol/water):** No information found

## 13. DISPOSAL INFORMATION

**Disposal Instructions:** Dispose of this material and its container in accordance with local, state and federal regulations.

**Contaminated Packaging:** Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Waste Codes:** No information found

## 14. TRANSPORT INFORMATION

**DOT:**

**UN Number:** UN1325

**Proper Shipping Name:** Flammable Solids, Organic, N.O.S.

**Hazard Class:** 4.1

**Packaging Group:** II

## 15. REGULATORY INFORMATION

**U.S. Federal Regulations:**

**OSHA:** This product is not considered a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Inventory:** Amido Black 10B

**U.S. EPCRA (SARA Title III):**

| <b>Sections 311/312:</b> | <u>Hazard Categories</u>         | <u>List (Yes/No)</u> |
|--------------------------|----------------------------------|----------------------|
|                          | Section 311 – Hazardous Chemical | Yes                  |
|                          | Immediate Hazard                 | Yes                  |
|                          | Delayed Hazard                   | No                   |
|                          | Fire Hazard                      | No                   |
|                          | Pressure Hazard                  | No                   |
|                          | Reactivity Hazard                | No                   |

| <b>International Inventories:</b> | <u>Country(s) or Region</u> | <u>Inventory Name</u>  | <u>On Inventory (Yes/No)*</u> |
|-----------------------------------|-----------------------------|--|-------------------------------|
|                                   | Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                            |
|                                   | Canada                      | Domestic Substances List (DSL)   | Yes                           |
|                                   | Canada                      | Non-Domestic Substances List (NDSL)                                    | No                            |
|                                   | China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                            |
|                                   | Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                           |
|                                   | Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                            |
|                                   | Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                           |
|                                   | Korea                       | Existing Chemicals List (ECL)  | No                            |
|                                   | New Zealand                 | New Zealand Inventory  | No                            |
|                                   | Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                           |

\*A "Yes" indicates that the listed component(s) of this product comply with the inventory requirements administered by the governing country(s)

## **16. OTHER INFORMATION**

**Product Use:** Laboratory and/or field reagent

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**Issue Date:** 07/31/2013

**Reason for Revision:** Not applicable