



| | |
|---------------------|---|
| Health | 3 |
| Fire | 0 |
| Reactivity | 0 |
| Personal Protection | |

Material Safety Data Sheet

Bradford Reagent

1: Chemical Product and Company Identification

Product Name: Bradford Reagent

Contact information:

Catalog Code: 20830002-1, 20830002-2

bioWORLD

4150 Tuller Rd

Suite 228, Dublin, OH 43017, USA

CAS#: Not available.

For information, call: 614-792-8680

Fax Number: 614-792-8685

Order Online: www.bio-world.com

RTECS: Not available.

TSCA: TSCA 8(b)inventory : No products were found.

E-mail : save@bio-world.com

CI#: Not available.

In case of a chemical emergency, contact local hospital.

Synonym: Not available.

Chemical Name: Bradford reagent

For non-emergency assistance, call: 1-800-860-9729

Chemical Formula: Not available.

2: Composition and Information on Ingredients

Composition:

| Name | CAS# | % by Weight |
|------------------|-----------|-------------|
| Brilliant Blue G | None | 0.004 |
| Phosphoric Acid | 7664-38-2 | 10 |
| Methanol | 67-56-1 | 4 |

Toxicological Data on Ingredients:

Not available.

3: Hazards Identification

Potential Acute Health Effects: Corrosive. Causes burns. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin, and if swallowed. Target organ(s): Liver. Eyes.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

4: First Aid Measures

Eye Contact: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Serious Inhalation: Not available.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician. Do not induce vomiting.

Serious Ingestion: Not available.

5: Fire and Explosion Data

Flammability of the Product: Nonflammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Product of Combustion: Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Dry chemical powder.

LARGE FIRE: Carbon dioxide, dry chemical powder, or appropriate foam.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

6: Accidental Release Measures

Small Spill: Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Large Spill: Not available.

7: Handling and Storage

Precautions: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Storage: Keep tightly closed. Store at 2-8°C.

8: Exposure Controls/Personal Protection

Engineering Controls: Safety shower and eye bath. Use only in a chemical fume hood.

Personal Protection: Respiratory: Government approved respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

Other: Faceshield (8-inch minimum).

Personal Protection in Case of a Large Spill: Not available.

Exposure Limits: Not available.

9: Physical and Chemical Properties

Physical State and Appearance: Clear liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: Not available.

Color: Colorless.

pH(1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapour Pressure: Not available.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Not available.

10: Stability and Reactivity Data

Stability: Stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Strong bases, Finely powdered metals.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11: Toxicological Information

Routes of Entry: Skin contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Skin Contact: Causes burns.

Skin Absorption: Harmful if absorbed through skin.

Eye Contact: Causes burns.

Inhalation: Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Product of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14: Transport Information

DOT Classification: Class: 8

Identification: UN#: 1805

Packing Group: III

Hazard Label: Corrosive

Special Provisions for Transport: Not available.

15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b)inventory : No products were found.

Other Regulations: EU ADDITIONAL CLASSIFICATION

Symbol of Danger: C

Indication of Danger: Corrosive.

R: 34 20/21/22 68/20/21/22

Risk Statements: Causes burns. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin, and if swallowed.

S: 26 36/37/39 45

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other Classifications:

WHMIS(Canada): Not available.

DSCL(EEC): Not available.

HMIS(U.S.A):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

Personal Protection:

National Fire Protection Association (U.S.A):

Health: 3

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Safety goggles.

16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 26/07/2006 12:34:31 PM

Last Updated: 19/01/2009 9:32:33 AM

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