

Date Updated: February 12, 2007

Section 1, Product and Company Information

Product Name: Concentrated Bradford Reagent

Catalog Number: CBR001

Manufacture: IT Life, <http://www.ITlifeSciences.com>

Address:

IT Life
P.O. Box # 62052
104 Regent Ave.
Winnipeg, Manitoba
R2C 0C0, Canada

Emergency Phone:

Local to Winnipeg: 949-9499

Toll Free from North America: 1-866-975-4678

Section 2, Ingredient

Brilliant Blue G250 , $C_{47}H_{48}N_3NaO_7S_2$	CAS# 6104-58-1	Less than 1%
Phosphoric Acid , H_3PO_4	CAS# 7664-38-2	8-15%
Methanol , CH_3OH	CAS# 675-6-11	5-10%

Section 3, Hazards Identification

Corrosive, Causes burns & Toxic

Harmful if: through inhalation, in contact with skin, and if digested.

Target organ(s): Eyes & Liver

Flammability: No

Reactivity: No



Section 4, First Aid Information

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

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, use oxygen.

Dermal: In case of skin contact, flush with large amounts of water for at least 10-15 minutes. Remove

contaminated clothing and shoes. Call a physician. In case of contact with eyes, flush with large amounts of water for at least 10-15 minutes. Call a physician.

Section 5, Fire Fighting Information

Flash Point: No Data Available

Self Ignition Temperature: No Data Available

Flammability: No Data Available

Extinguish with: Carbon dioxide, or appropriate foam.

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard: Produce toxic fumes under fire conditions.

Section 6 - Accidental Release Information

1. Evacuate area.
2. Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
3. Cover with 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.

Section 7, Handling & Storage Information

- Do not breathe vapor
- Do not get in eyes or skin
- Avoid prolonged exposure.
- Keep the container tightly closed.
- Store at 2-8°C

Section 8, Exposure Information

- Use in facilities equipped with safety shower and Eye Wash
- Use chemical fume hood.
- Use gloves
- Use safety goggles.

Section 9, Physical/Chemical Properties

Appearance: Brownish liquid

Section 10, Stability and Reactivity Information

Avoid: Strong bases & powdered metals.

Note: In case of fire may produce toxic fumes of phosphorus oxides and/or phosphine due to Phosphoric Acid.

Section 11, Toxicological Information

Skin Contact: Causes burns.

Skin Absorption: Harmful if absorbed through skin.

Eye Contact: Causes burns.

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

Ingestion: Harmful if swallowed.

Body Target: Kidneys, Liver, Eye, Heart, Central nervous system, Blood and Bone marrow.

Signs of Exposure:

May cause blue-gray coloring of skin and lips due to the lack of oxygen, (cyanosis). Symptoms of exposure may include burning sensation, coughing, wheezing, and laryngitis, shortness of breath, headache, and nausea. Inhalation may result in inflammation and edema of the bronchi and pulmonary edema.

Section 12, Ecological Information

No data available.

Section 13, Disposal Information

Contact a licensed waste disposal service to dispose of this material.

Section 14, Transport Information

Phosphoric acid

Class: 8

Packing: Group III

Hazard Label: Corrosive & Toxic

Section 15, Regulatory Information

Canadian Regulations

- WHMIS
- MSDS contains all the information required by the CPR.

Section 16, Other Information

For Research and Development usage only. Not for other uses. The above information is believed to be correct based on the present available data and the state of our knowledge. IT Life shall not be held liable for any contact or damage resulting from handling of this product.

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