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## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: BRAZILIN

**Catalog number:** 860

**General use:** To prepare red nuclear stain.

**Product description:** Rusty red powder.

**Manufacturer**

Anatech Ltd.  
1020 Harts Lake Road  
Battle Creek, MI 49037  
USA

**Emergency contact information**

Health:	Anatech Ltd.	800-262-8324	8 am - 5 pm ET, M-F
Transportation:	CHEMTREC	800-424-9300	24 hours

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### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

**Component**

**CAS #**

**Exposure limits**

Brazilin dye (C.I. 75280)

474-07-7

Not established.  
TLV = 10 mg/m<sup>3</sup> as nuisance particulates

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### 3. HAZARDS IDENTIFICATION

**Emergency overview**

Rusty red powder.

Not likely to pose a health risk except as a nuisance dust.

**Potential health effects**

(Human health effects only.)

**Primary route(s) of exposure:** Eyes and inhalation.

**Inhalation:** Inhalation of particles may irritate respiratory system.

**Eye:** Contact of powder with eyes may cause irritation.

**Skin:** No effects have been reported.

**Ingestion:** No effects have been reported.

**Chronic effects:** None documented.

**Signs and symptoms:** Eyes may water and coughing may occur.

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#### 4. FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air if coughing or difficulty in breathing is experienced. Consult a physician if symptoms persist or worsen. Administer oxygen or artificial respiration as needed.

**Eye:** Flush eyes for at least 15 minutes in an eyewash station. If symptoms persist after washing, consult a physician.

**Skin:** Remove contaminated clothing, including footwear; wash before reuse or discard. For minor exposure, wash affected area with water and mild soap, rinsing thoroughly; apply a good quality skin lotion. In cases of prolonged, repeated or extensive exposure, rinse affected area or entire body for at least 15 minutes. For severe conditions, consult a physician.

**Ingestion:** Call a poison control center immediately. If victim is conscious, have him/her drink several glasses of water to dilute the solution. Induce vomiting only upon the advice of a physician or poison control authority.

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#### 5. FIRE FIGHTING MEASURES

##### Flammable properties

**Flash point:** Not applicable.

**Flammable limit:** Not applicable.

**Autoignition temperature:** Not applicable.

**Flammability classification:** Not applicable.

**Flame propagation:** None.

**Hazardous products of combustion:** Carbon monoxide and carbon dioxide.

**Extinguishing media:** ABC rated portable fire extinguishers should be used. Professional fire fighters may use water spray, dry chemical or carbon dioxide.

**Fire fighting instructions:** No special instructions required for small volumes sold. Large volumes of dye powder may emit toxic fumes under fire conditions. Sealed chemical suits and self contained breathing apparatus are necessary for fighting fires involving substantial volumes of this product.

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#### 6. ACCIDENTAL RELEASE MEASURES

The product is sold only in small volumes of 50 grams/bottle. Wear protective gloves. Remove dry powder. Wash affected area with water.

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#### 7. HANDLING AND STORAGE

**Handling:** Wear protective gloves when handling the powder. An impermeable apron is also recommended as a prudent measure of protection when preparing solutions using this dye. Avoid contact with skin and eyes.

**Storage:** Store at room temperature.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering controls:** Good general room ventilation is essential.

### Personal protective equipment

**Respiratory protection:** Generally not needed, but a NIOSH-approved particle mask may be used if desired.

**Skin protection:** Use protective gloves when handling this powder. An eyewash station and safety shower must be nearby, preferably in the same room, no more than 10 seconds away.

**Eye protection:** Use splash-proof goggles. Do not use safety glasses. An eyewash station and safety shower must be nearby, preferably in the same room, no more than 10 seconds away.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Rusty red powder.

**Odor:** None.

**Physical state:** Solid.

**pH:** Not applicable.

**Vapor pressure:** Not applicable.

**Vapor density:** Not applicable.

**Boiling point:** Not applicable.

**Freezing point:** Not applicable.

**Solubility in water:** Moderate.

**Specific gravity:** Not applicable.

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## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable.

**Conditions to avoid:** None.

**Incompatibility with other materials:** Strong oxidants.

**Hazardous decomposition products:** None.

**Hazardous polymerization:** None.

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## 11. TOXICOLOGICAL INFORMATION

No toxicological data is known.

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## 12. ECOLOGICAL INFORMATION

No environmental information is known.

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## 13. DISPOSAL CONSIDERATIONS

Discard product in trash. It presents no health or environmental risk.

Proper waste disposal is the generator's responsibility.

Canadian disposal regulations generally parallel those in the United States.

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## 14. TRANSPORTATION INFORMATION

**DOT (ground and air) and IATA:** Not regulated.

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## 15. REGULATORY INFORMATION

**OSHA (USA):** Brazilin is not a hazardous material.

**FDA (USA):** Brazilin is for in vitro diagnostic use as a biological dye in histology.

**EPA (USA):** Brazilin is a reportable substance under SARA Title III.

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## 16. OTHER INFORMATION

**Label warnings:** Irritant. Avoid contact with eyes, skin and respiratory system.