

## SAFETY DATA SHEET



**Product Name:** Hematoxylin, Certified

**Date:** June 1, 2015

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### SECTION 1: IDENTIFICATION

**Product:** Hematoxylin, Certified

**Product number:** 805

**Synonyms:** Natural Black 1

**Recommended use:** Laboratory chemical

#### Company

Anatech Ltd	24 hour Transportation Emergency	800.424.9300 CHEMTREC
1020 Harts Lake Road	Product Technical Information	800.262.8324, M-F, 8 AM-5 PM, ET
Battle Creek, MI 49037, USA	Supplier General Contact	800.262.8324, M-F, 8 AM-5 PM, ET

### SECTION 2: HAZARD(S) IDENTIFICATION

#### Classification of substance

Acute toxicity, oral (Category 4)

Skin corrosion/irritation (Category 2)

Eye damage/irritation (Category 2A)

Specific target organ toxicity, single exposure (STOT-SE) (Category 3) (Respiratory irritant)

#### Signal word

Warning

#### Hazard statement

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

#### Pictogram



#### Precautionary statements

##### Prevention

Wash exposed areas thoroughly after handling.

Wear protective gloves/eye protection/face protection.

Do not eat, drink or smoke when using this product.

Avoid breathing dust/fume/mist/vapors/spray.

Use in a well-ventilated area.

##### Response

If swallowed: Call poison center or get medical advice/attention.

Rinse mouth.

If on skin: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Call poison center or get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

Specific treatment: See Section 4 of this SDS.

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### **Storage**

Store in a well-ventilated place.  
Keep container tightly closed.  
Store locked up.

### **Disposal**

Dispose of contents/containers in accordance with governmental regulations.

### **Hazards not otherwise classified**

None as defined under 29 CFR 1900.1200

## **SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS**

Chemical name	CAS#	Concentration
Hematoxylin dye (C.I. 75290)	517-28-2	100%

## **SECTION 4: FIRST-AID MEASURES**

### **Description of first-aid measures**

<b>Inhalation</b>	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.
<b>Eye</b>	Flush eyes for at least 15 minutes in an eyewash station. Consult a physician.
<b>Skin</b>	Remove contaminated clothing, including footwear; wash before reuse or discard. For minor exposure, wash affected area with water and mild soap, rinsing thoroughly. In cases of prolonged, repeated or extensive exposure, rinse affected area or entire body for at least 15 minutes. Consult a physician.
<b>Ingestion</b>	Call a poison center immediately.

### **Important symptoms, acute and delayed**

Skin will color blue.

### **Recommendations for immediate medical care and special treatment**

See listed first-aid procedures. No information available for special treatment. Treat according to symptoms.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Suitable and unsuitable extinguishing media**

Use water spray, dry chemical or carbon dioxide.

### **Specific hazards arising from the product**

Carbon oxides.

### **Special protective equipment/precautions for fire-fighters**

Fire-fighters may wear self-contained breathing apparatus if necessary.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Ensure adequate ventilation.  
Avoid breathing dust.  
Avoid contact with skin and eyes.

### **Protective equipment**

Wear appropriate personal protective equipment.

### **Emergency procedures**

See information in sub-section above.

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### Methods and materials for containment and cleanup

Sweep up and collect in suitable container for disposal.  
Avoid dust formation.  
Do not let product enter drains.  
Wash area with soap and water.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes.  
Avoid dust formation.  
Wear appropriate personal protective equipment.

### Conditions for safe storage including incompatibilities

Keep containers tightly closed.  
Store at room temperature.  
Light sensitive. Keep away from direct sunlight.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure limits

Chemical name	CAS#	Exposure Limit	Value
Hematoxylin, C.I. 75290	517-28-2	None established	

### Appropriate engineering controls

Good general room ventilation.  
If required provide local exhaust ventilation, especially in confined areas.

### Personal protective measures

<b>Respiratory protection</b>	None generally needed for this small volume. When risk assessment shows one is necessary, wear appropriate dust particle mask.
<b>Eye protection</b>	Use splash-proof goggles. An eyewash station must be nearby, no more than 10 seconds away.
<b>Skin protection</b>	Wear nitrile or chemical resistant gloves. Do not use latex surgical gloves for protection. Safety shower must be nearby, no more than 10 seconds away.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Light tan powder
Odor	Characteristic sweet
Odor threshold	No data available
pH	Not applicable
Melting point/freezing point	No information available
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	Not applicable
Solubility(ies)	Moderate in water
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition	No information available
Viscosity	No information available

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### SECTION 10: STABILITY AND REACTIVITY

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#### Reactivity

No hazardous reactions if stored and handled as indicated.

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reaction

The product is chemically stable.

#### Conditions to avoid

Direct light and extreme temperatures.

#### Incompatible materials

Strong oxidants.

#### Hazardous decomposition products

No hazardous decomposition products if stored and handled as indicated.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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#### Likely routes of exposure

Skin, eye, inhalation.

#### Symptoms related to physical, chemical and toxicological characteristics

No information is known.

#### Delayed and immediate effects

No information is known.

#### Chronic effects from short- and long-term exposure

No information available.

#### Numerical measures of toxicity

Acute toxicity, oral (rat)	LD <sub>50</sub> >400 mg/kg, 26 weeks continuous
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#### Assessment of other acute effects

Specific target organ toxicity, single exposure (STOT-SE): may cause respiratory irritation.

#### Carcinogenicity

None as defined by 29 CFR 1900.1200.

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### SECTION 12: ECOLOGICAL INFORMATION

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#### Ecotoxicity

No environmental information is known.

#### Persistence and degradability

No environmental information is known.

#### Bioaccumulative potential

No environmental information is known.

#### Mobility in soil

No environmental information is known.

#### Other adverse effects

No information available.

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### **SECTION 13: DISPOSAL CONSIDERATIONS**

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Drain disposal may be possible with the permission of local wastewater treatment authorities. Otherwise contact a licensed professional waste disposal service to dispose of this material. Proper waste disposal is the generator's responsibility. Follow federal, state (provincial) and local regulations.

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### **SECTION 14: TRANSPORT INFORMATION**

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**DOT (USA)**

Not regulated as a dangerous good.

**IATA**

Not regulated as a dangerous good.

**Marine pollutant**

No information available.

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### **SECTION 15: REGULATORY INFORMATION**

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**OSHA Hazard Communication Standard**

This product is considered hazardous in accordance with 29 CFR 1910.1200.

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### **SECTION 16: OTHER INFORMATION**

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**NFPA (National Fire Protection Association) Rating**

General note: The ratings provide information to emergency personnel on the fire hazards associated with the chemical. It is not descriptive of hazards under normal conditions of occupational use.

<b>Health</b>	2	Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
<b>Flammability</b>	0	Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
<b>Instability</b>	0	Materials that in themselves are normally stable, even under fire conditions.

**Disclaimer**

Anatech Ltd. believes the information in the SDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn may be from sources other than direct test data on the substance itself. It is the user's responsibility to determine suitability of the product for his/her own use, and to assure proper use and disposal of it to protect the safety and health of employees and the protection of the environment.

**Date of preparation**

June 1, 2015