

## idye Color Remover

MSDS No: #400

Effective Date: 10/26/7

Amendatory Date: 11/16/7

### 1. Product Identification

**Product Name:** iDye Color Remover**Chemical Family:** Formamidinesulfinic acid**Product Code:** #400

### 2. Hazardous Ingredients

**Hazardous Components:** Thiourea Dioxide

Contains less than 50ppm of lead

### 3. Physical Data

**Appearance and odor:** White, granular solid, no odor.**Vapor Pressure:** N/A**Vapor Density:** N/A**Solubility in Water:** 3% g/l @ 25 degrees C**pH:** 4**Ignition Temp:** N/A**Bulk Density:** N/A

### 4. Fire and Explosive Data

**Flash Point:** Not applicable**Extinguishing Media:** CO2 Dry Chemical Foam Water Fog**Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards:** Firefighters should be equipped with protective clothing and self-contained breathing apparatus to protect against toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur oxides. In case of fire or explosion, keep unnecessary people away. Isolate hazard area and any entry. Stay upwind, out of low areas and ventilate closed spaces before entering.**Additional Information:** Material may decompose after long exposure to high moisture heat.

### 5. Reactivity Data

**Thermal Decomposition:** Thiourea Dioxide may decompose upon lengthy exposure of high temperature and humidity. Decomposition temperature above 123 degrees C.**Hazardous Reactions:** In the case of dusty organic products, the possibility of a dust explosion should always be considered. Thermal oxidative decomposition can product toxic fumes of carbon monoxide, carbon dioxide, hydrogen cyanide, nitrogen oxides and sulfur oxides.

### 6. Health Effects Data

**Routes of Entry:** inhalation, skin absorption, ingestion, skin contact, eye contact**Carcinogenic-IARC, NTP, OSHA, ACGIH:** No**Signs & Symptoms of OverExposure:** May be irritating to the respiratory tract. Symptoms may include coughing, sore throat, and shortness of breath.**Medical Conditions Aggravated by Exposure:** Persons with any pre-existing skin, eye or respiratory conditions may be more susceptible to the effects of this product.

### 7. Emergency and First Aid Procedures

**Eye Contact:** Wash immediately with large amounts of water, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

**Skin Contact:** Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

**Ingestion:** Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

## **8. Employee Protection Recommendations**

**Eye Protection:** Employees should wear protective eye-goggles with side protection shield. Do not wear contact lenses while handling this material without additional eye protection.

**Skin Protection:** Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. Of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**Respiratory Protection:** Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**Ventilation:** Use local ventilation.

## **9. Storage and Spill or Leak Procedures**

**Storage:** Safe handling-In accord with good industrial practice. Handle with care and avoid personal contact. Store in a cool (below 35 degrees C), dry area out of direct sunlight. Protect from atmospheric moisture. Store away from oxidizing agents. Do not add to hot materials, do not subject to frictional heat as decomposition may result.

**In Case Material is Released/Spilled:** Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled, sealable containers. Scrub spilled area with detergent, flush with copious amounts of water.

**Waste Disposal Method:** If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. By incineration in a suitable plant. Soiled, empty containers are to be treated in the same way as the contents.

## **10. Toxicological Data**

**Animal Toxicity Oral-LD (Ingestions):** 1120 mg/Kg

**FISH, LC50:** No Data

**Eye Effects:** N/A

**Skin Effects:** N/A

**Sensitizations:** May cause sensitization by inhalation and skin contact.

**Biodegradability:** N/A

**Fish Toxicity:** N/A

**Bacteria Toxicity:** N/A

## **11. Shipping Data**

**Proper Shipping Name:** Thiourea Dioxide.

**D.O.T. Hazard Classification:** 4.2

**UN Number:** UN3341.

**Packing Group:** III

12. **Label:** Spontaneously combustible

### **13. Regulatory Data**

**US Regulations:**

**TSCA:** The components of this product are listed on the TSCA Inventory

**SARA 313:** This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

**SARA 312:** Immediate (acute) health hazard-Yes

Delayed (chronic) health hazard-Yes

Fire Hazard-No

Sudden Release of Pressure-No

Reactivity-No

**Other Regulations:** Label in accordance with the EEC directives:

**Hazard Symbols:** Xn Harmful

**Contains:** Thiourea Dioxide

**R 42/43:** May cause sensitization by inhalation and skin contact.

**S22:** Do not breathe dust.

**S24:** Avoid contact with skin.

**S37:** Wear suitable gloves.

**HMIS:** Health: 3, Flammability: 3, Reactivity: 2, PPE: See Section 8

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