

Safety Data Sheet

Erythrosin B, Certified C.I. 45430

Section 1 - Chemical Product and Company Identification

SDS Name: Erythrosin B, Certified C.I. 45430

Catalog Numbers: R-153

Company Identification: Transene Company, Inc., DBA ROWLEY BIOCHEMICAL, Inc.
10 ELECTRONICS AVENUE
DANVERS, MA 01923

For information, call: 978-739-4883

Emergency Number: 800-424-9300

For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

H302-Acute oral, toxicity: 4

H401-Hazardous to the aquatic environment, acute hazard: 2

H411-Hazardous to the aquatic environment, long-term hazard: 2

Consists of ingredients of unknown acute inhalation toxicity.

Pictograms or Hazard Symbols and Hazard Statement(s)



Signal Word: Warning

Hazard Statements:

H302-Harmful if swallowed

H401-Toxic to aquatic life

H411-Toxic to aquatic life with long lasting effects

Precautionary Statements:

P264-Wash thoroughly after handling.

P270-Do not eat, drink, or smoke when using this product.

P273-Avoid release to the environment.

P301+P312-If swallowed: Call a Poison Center/doctor if you feel unwell.
P330-Rinse mouth.
P391-Collect spillage.
P501-Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
16423-68-0	Erythrosin B	≥80

Section 4 - First Aid Measures

Eye Exposure: 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.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if symptoms occur.

Oral Exposure: If swallowed, seek medical advice. Do not induce vomiting. Rinse mouth with water and, after rinsing, drink water (stop if the exposed person feels sick as vomiting may be dangerous).

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use dry chemical, carbon dioxide, dry sand, water spray, or alcohol-resistant foam.

Hazardous Combustion Products: Carbon oxides, sodium oxides, hydrogen iodide, irritating fumes and gases.

Flash Point: Not available

Autoignition Temperature: Not available

Explosion Limits, Lower: Not available

Upper: Not available

NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear personal protective equipment as necessary. Do not ingest or inhale. Do not get on skin or clothing. Do not get in eyes. Avoid dust formation. Ensure adequate ventilation.

Methods for Cleaning up: Carefully sweep up and containerize for proper disposal. Avoid dust formation and accumulation. Do not release to the environment. Do not release to drains.

Section 7 - Handling and Storage

Use care when handling. Wear personal protective equipment as necessary. Ensure adequate ventilation. Wash thoroughly after handling. Do not ingest or inhale. Do not get on skin or clothing. Do not get in eyes. Avoid dust formation. Protect from moisture. Store in a tightly closed container in a cool, dry, and well-ventilated area. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Exposure Limits:

Chemical Name	ACGIH - TLV	NIOSH - IDLH	OSHA - Final PELs
Erythrosin B CAS#16423-68-0	Not listed	Not listed	Not listed

Section 9 - Physical and Chemical Properties

Physical State: Powder

Appearance: Dark red-brown
Odor: Odorless
Vapor Pressure: Not available
Odor Threshold: Not available
Vapor Density: Not available
pH: 6.4 at 30.3 °C (86.5 °F)
Relative Density: Not available
Melting point/freezing point: 315 °C (599 °F) at 978.5 hPa
Solubility: Soluble in water
Boiling Point: Not available
Flash Point: Not available
Evaporation Rate: Not available
Flammability (solid, gas): Not available
Partition coefficient: n-octanol/water: Not available
Autoignition Temperature: Not available
Decomposition Temperature: Not available
Viscosity: Not available
Specific Gravity/Density: 0.625-0.731 g/cm³ at 30.1 °C (86.2 °F)

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. Moisture sensitive.
Conditions to Avoid: Incompatible materials, excess heat, exposure to moisture.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon oxides, sodium oxides, hydrogen iodide, irritating fumes and gases.

Section 11 - Toxicological Information

CAS#16423-68-0 Erythrosin B: RTECS#: LM5950000

LD50 Oral: 1840 mg/kg (rat)
LD50 Dermal: Not available
LC50 Inhalation: >2000 mg/L (rat)

Carcinogenicity: Erythrosin B CAS#16423-68-0 is not listed by IARC, NTP, ACGIH, OSHA, or California Prop. 65.

Information on the likely routes of exposure: Routes of entry anticipated: oral, dermal, inhalation, and eye.

Epidemiology: Not available.

Teratogenicity: Not available.

Reproductive Effects: Not available.

Developmental Effects: Not available.

Neurotoxicity: Not available.

Mutagenicity: Not available.

Specific Target Organ Toxicity, Single Exposure: Not available.

Specific Target Organ Toxicity, Repeated Exposure: Not available.

Symptoms associated with exposure: May cause stomach irregularities and hypofunction of the thyroid gland. Overexposure may cause convulsions, kidney problems.

The toxicological properties of this material have not been thoroughly investigated.

Section 12 - Ecological Information

Ecotoxicity: Do not release to the environment. Do not release to drains. Toxic to aquatic life with long lasting effects.

CAS#16423-68-0 Erythrosin B:

LC50, freshwater fish: >100 mg/L 96h static (danio rerio)(zebra fish)
LC50, freshwater fish: 500 mg/L 48h (oryzias latipes)(orange-red killifish)
EC50, water flea: 8.1 mg/L 48h static (daphnia magna straus)
EC50, algae: >200 mg/L 72h static (chlorella vulgaris)(fresh water algae)

Persistence and degradability: Not available.

Bio-accumulative potential: Not available.

Mobility: Will likely be mobile in the environment due to its water solubility.

Section 13 - Disposal Considerations

DISPOSAL: Dispose of in accordance with all federal, state, and local regulations.

Section 14 - Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

Section 16 - Additional Information

SDS Creation Date: 12-27-24

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