

ERYTHROSIN B SODIUM

SECTION 1: PRODUCT IDENTIFICATION

Product Name: ERYTHROSIN B SODIUM

Product Code: 1859

CAS#: 16423-68-0

Synonym: Not available

Chemical Formula: C₂₀H₆I₄Na₂O₅

Molecular Weight: 879.86 g/mol

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: ERYTHROSIN B SODIUM

Toxicological Data on Ingredients: Not available.

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of ingestion.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

SECTION 4: FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. **Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:



Risks of explosion of the product in presence of mechanical impact: Non-flammable in presence of shocks. Slightly explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: As with most organic solids, fire is possible at elevated temperatures

Special Remarks on Explosion Hazards: Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the Contaminated surface and allow evacuating through the sanitary system.

SECTION 7: HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|---|-------------------------------|
| Physical state and appearance Form | : Brownish black color powder |
| Odour | : Not available |
| Taste | : Not available |
| Molecular Weight | : Not available |
| Colour | : Not available |
| pH | : Not available |
| Boiling Point | : Not available |
| Melting Point | : Not available |



| | |
|------------------------|-----------------|
| Critical Temperature | : Not available |
| Specific Density | : Not Available |
| Vapor Pressure | : Not Available |
| Vapor Density | : Not available |
| Volatility | : Not Available |
| Odor Threshold | : Not Available |
| Water/Oil Dist. Coeff. | : Not Available |
| Ionicity (in Water) | : Not Available |
| Dispersion Properties | : Not Available |
| Solubility | : Not available |

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosively: Not available.

Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Not available

Toxicity to Animals:

LD₅₀: LD₅₀ Oral - Rat - 1.840 mg/kg Remarks: Behavioral: Convulsions or effect on seizure threshold. (RTECS)

Acute toxicity estimate Oral - 1.840 mg/kg (Calculation method)

Inhalation: No data available LD₅₀ Dermal - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 402)

LC₅₀:

Chronic Effects on Humans: Eyes - In vitro study Result: No eye irritation (OECD Test Guideline 492)

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Skin: May cause skin irritation. It will stain skin on contact. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation with hypermotility, and diarrhea. May affect behavior (excitement, change in motor activity). The toxicological properties of this substance have not been fully investigated.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity:

Toxicity to fish static test LC₅₀ - Danio rerio (zebra fish) - > 100 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates static test EC₅₀ - Daphnia magna Straus - 8,1 mg/l - 48 h (OECD Test Guideline 202) Toxicity to algae static test ErC₅₀ - Chlorella vulgaris (Fresh water algae) - > 200 mg/l - 72 h (OECD Test Guideline 201)

BOD and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.



SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

UN number:

ADR/RID:3077

IMDG: 3077

IATA: 3077

UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (3',6'-dihydroxy2',4',5',7'-tetraiodo-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen] disodium salt)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (3',6'-dihydroxy2',4',5',7'-tetraiodo-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen] disodium salt)

IATA: Environmentally hazardous substance, solid, n.o.s. (3',6'-dihydroxy-2',4',5',7'- tetraiodo-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen] disodium salt)

Transport hazard class (es):

ADR/RID:9

IMDG:9

IATA: 9

Packaging group:

ADR/RID: III

IMDG: III

IATA: III

Environmental hazards:

ADR/RID: Yes

IMDG Marine pollutant: Yes

IATA: Yes

SECTION 15: OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Eriochrome Black T

Other Regulations: Not available

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): R36/38.

This product is not classified according to the EU regulations. Not applicable

HMIS (U.S.A.):

Health Hazard:

Fire Hazard:

Reactivity:

Personal Protection: E

National Fire Protection Association (U.S.A.):

Protective Equipment: Gloves, Lab coat, Safety glasses, Dust respirator - be sure to use an approved/certified respirator or equivalent.

SECTION 16: OTHER INFORMATION

References: Full Text of H & R Statements: Not available

Other Special Considerations: Not available.

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