1. IDENTIFICATION

Product identifier

Product name: EPODYE
Cat. No. 40300002
CAS-No.: 19125-99-6
EC No.: 242-828-7
REACH Reg. No: -
Container size: 20 g

Recommended use and restrictions on use

Application: Powdered dye for resin embedding for fluorescence microscopy.
Uses advised against: No specific uses advised against are identified. (*)

Details of the supplier of the safety data sheet

Supplier: Struers Ltd
7275 West Credit Avenue
Ontario L5N 5M9 Mississauga
Canada
Tel: +1 (905) 8148855

Responsible for safety data sheet authoring: DHI
Any questions to the contents of this safety data sheet should be sent to: struers@struers.dk

Emergency telephone number

Alberta & NWT:
Poison & Drug Information Service (PADIS): 1-800-332-1414
British Columbia:
Drug and Poison Information Centre (DPIC): 604-682-5050 / 1-800-567-8911
Ontario:
Poison Centre: 1-800-268-9017
Québec:
Poison Control Centre: 1-800-463-5060

Infotrac:
1-800-535-5053
Struers CAN:
+1 (905) 8148855
(Only during office hours)
4. FIRST-AID MEASURES

**Description of first-aid measures**

**Inhalation:** Move into fresh air and keep at rest.

**Skin contact:** Remove contaminated clothes and rinse skin thoroughly with water.

**Eye contact:** If irritation occurs during dust-raising work, flush with plenty of water for at least 15 minutes.

**Ingestion:** Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

**Most important symptoms and effects, both acute and delayed**

**Symptoms/effects:** See section 11 for more detailed information on health effects and symptoms.

**Indication of any immediate medical attention and special treatment needed**

**Medical attention/treatments:** Treat symptomatically.

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2. HAZARDS IDENTIFICATION

**Classification of the hazardous product**

WHMIS 2015: The product is not classified.

**Label elements**

The substance/mixture does not meet the criteria for classification and labelling.

**Other hazards**

Fine particles may form explosive vapor/air mixtures. May cause minor irritation on skin contact. Dust may irritate the eyes and the respiratory system.

**PBT/vPvB:** No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**

The product contains: pigments.

WHMIS 2015:

<table>
<thead>
<tr>
<th>%</th>
<th>CAS-No.:</th>
<th>EC No.:</th>
<th>REACH Reg. No.</th>
<th>Chemical name</th>
<th>Hazard classification</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>100</td>
<td>19125-99-6</td>
<td>242-828-7</td>
<td>-</td>
<td>Yellow dye (C.I. Solvent Yellow 43)</td>
<td>-</td>
<td></td>
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</tbody>
</table>
5. FIRE-FIGHTING MEASURES

**Extinguishing media**
Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

**Specific hazards arising from the hazardous product**
Specific hazards: By heating and fire, toxic vapors/gases may be formed.

**Advice for fire-fighters**
Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
For non-emergency personnel: Avoid contact with skin and eyes. Avoid inhalation of dust. For personal protection, see section 8.
For emergency responders: No specific recommendations. For personal protection, see section 8.

**Environmental precautions**
Environmental precautions: Avoid release to the environment.

**Methods and material for containment and cleaning up**
Spill Cleanup Methods: Dampen spillage with water. Absorb spillage with suitable absorbent material.

**Reference to other items**
References: For personal protection, see section 8. For waste disposal, see section 13.

7. HANDLING AND STORAGE

**Precautions for safe handling**
Safe handling advice: Avoid contact with skin and eyes. Avoid inhalation of dust. Observe good chemical hygiene practices.

Technical measures: Avoid spreading dust. Work practice should minimize contact.

Technical precautions: Local exhaust is recommended.

**Conditions for safe storage, including any incompatibilities**
Technical measures for safe storage: Take precautionary measures against static discharges.

Storage conditions: Store in closed original container in a dry place.

**Specific end-use(s)**
Specific use(s): No information available.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Other provincial OEL's may apply.

Occupational exposure limits:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical name</th>
<th>As:</th>
<th>Exposure limits:</th>
<th>Type:</th>
<th>Notes:</th>
<th>References:</th>
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</thead>
<tbody>
<tr>
<td>-</td>
<td>Particulates not otherwise regulated (PNOR), total dust</td>
<td>-</td>
<td>10 mg/m3</td>
<td>TWA</td>
<td>-</td>
<td>Quebec</td>
</tr>
<tr>
<td>-</td>
<td>Particulates not otherwise regulated (PNOR), total dust</td>
<td>-</td>
<td>10 mg/m3</td>
<td>TWA</td>
<td>3</td>
<td>Alberta</td>
</tr>
<tr>
<td>-</td>
<td>Particulates not otherwise regulated (PNOR), respirable fraction</td>
<td>-</td>
<td>3 mg/m3</td>
<td>TWA</td>
<td>3</td>
<td>Alberta</td>
</tr>
</tbody>
</table>

Notes: 3: Based on irritation effects. Adjustment to compensate for unusual work schedules is not required.

Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust. Local exhaust is recommended.

Personal protection: Personal protection equipment should be chosen according to relevant standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: During dust-raising work: Use respiratory equipment with particle filter, type P2.

Hand protection: Risk of contact: Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. (*)

Eye protection: Risk of contact: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of contact.

Environmental Exposure Controls: Not available.
9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

- **Form:** Powder.
- **Colour:** Yellow
- **Odour:** Odourless.
- **Odour threshold:** Not available.
- **pH:** Not available.
- **Melting point:** 125-129°C
- **Boiling point:** Not available.
- **Flash point:** Not available.
- **Evaporation rate:** Not available.
- **Flammability (solid, gas):** Not available.
- **Explosion limits:** Not available.
- **Vapour pressure:** Not available.
- **Vapour density:** Not available.
- **Relative density:** 0.56
- **Solubility:** Insoluble in water
- **Partition coefficient (n-octanol/water):** Not available.
- **Auto-ignition temperature (°C):** Not available.
- **Decomposition temperature (°C):** Not available.
- **Viscosity:** Not available.
- **Explosive properties:** Not available.
- **Oxidising properties:** Not available.

**Other information**

- **Other data:** Volatile Organic Compound (VOC): 0 g/l
10. STABILITY AND REACTIVITY

**Reactivity**
Reactivity: No data available.

**Chemical stability**
Stability: Stable under normal temperature conditions.

**Possibility of hazardous reactions**
Hazardous Reactions: None under normal conditions.

**Conditions to avoid**
Conditions/materials to avoid: Strong acids and strong bases. Avoid dust formation.

**Incompatible materials**
Incompatible materials: No information available.

**Hazardous decomposition products**
Hazardous decomposition products: By heating, vapors/gases hazardous to health may be formed.

11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

- **Acute Toxicity (Oral):** Based on available data, the classification criteria are not met.
- **Acute Toxicity (Dermal):** Based on available data, the classification criteria are not met.
- **Acute Toxicity (Inhalation):** Based on available data, the classification criteria are not met.
- **Skin Corrosion/Irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:**
  - Based on available data, the classification criteria are not met.
  - National Toxicology Program (NTP): No.
  - IARC Not Listed.
- **Reproductive Toxicity:** Based on available data, the classification criteria are not met.
- **STOT - Single exposure:** Based on available data, the classification criteria are not met.
- **STOT - Repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.
- **Inhalation:**
  - Dust may irritate throat and respiratory system and cause coughing.
- **Skin contact:**
  - Prolonged contact may cause redness, irritation and dry skin.
- **Eye contact:** Dust in the eyes will cause irritation.
- **Ingestion:** May irritate and cause malaise.
- **Specific effects:** No information available.
12. ECOLOGICAL INFORMATION

**Ecotoxicity**
Ecotoxicity: The product is not expected to be hazardous to the environment.

**Persistence and degradability**
Degradability: The degradability of the product has not been stated.

**Bioaccumulative potential**
Bioaccumulative potential: No data available on bioaccumulation.

**Mobility in soil**
Mobility: No data available.

**Results of PBT and vPvB assessment**
PBT/vPvB: No information available.

**Other adverse effects**
Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**
Waste from residues: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Contaminated packaging: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, TDG).

**UN number**
UN-No: -

**UN proper shipping name**
Proper Shipping Name: -

**Transport hazard class(es)**
Class: -

**Packing group**
PG: -

**Environmental hazards**
Marine pollutant: -
Environmentally Hazardous substance: -

**Special precautions for user**
Special precautions: None known.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Transport in bulk: Not relevant
15. REGULATORY INFORMATION

Safety, health and environmental regulations specific to the product

Special provisions:
DSL: All chemicals included in the product are DSL listed or exempt.

National regulation:
Canadian Environmental Protection Act, Reporting for the Domestic Substances List (DSL), with amendments.
Ontario: Control of Exposure to Biological or Chemical Agents R.R.O. 1990, Reg. 833, with amendments (2016).
Quebec: Regulation respecting the quality of the work environment, with amendments (2013-12-13).

Abbreviations and acronyms used in the safety data sheet:
PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Additional information:
Classification according to WHMIS 2015:
Calculation method.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.