

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Ref No SDS-005

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Version: 1

Drain Dye - Blue

Civils & Drainage

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Product form: Substance
Substance name: E132 INDIGO CARMINE
EC-No: 212-728-8, CAS-No: 860-22-0
Product group: Finished Product

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1. Relevant identified uses:

Industrial/Professional use spec
Food dye

1.2.2. Uses advised against:

No additional information available

1.3 Details of the supplier of the safety data sheet:

Telephone: +61 2 9450 0766, E-mail address: sales@fernco.com.au

1.4 Emergency telephone number:

000

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP], as amended for UK law:
Not classified

Adverse physicochemical, human health and environmental effects:

No additional information available

2.2. Label elements

No labelling applicable

2.3. Other hazards:

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

| Name | Product Identifier | % |
|--|---|-----|
| E132 INDIGO CARMINE SODIUM CHLORIDE | CAS-No.: 860-22-0 EC-No.: 212-728-8 (CAS-No.) 7647-14-5 (EC-No.) 231-598-3 | 100 |

3.2. Mixtures:

Non applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

First-aid measures general:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation:

Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact:

Wash skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion:

Do NOT induce vomiting. If you feel unwell, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed:

Symptoms/effects after inhalation:

Under normal conditions of use, no adverse effects to health have been observed. May cause respiratory irritation.

Symptoms/effects after skin contact:

Under normal conditions of use, no adverse effects to health have been observed.
May cause irritation to skin.

Symptoms/effects after eye contact:

Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion:

Under normal conditions of use, no adverse effects to health have been observed.

Chronic symptoms:

None known.

4.3. Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:**5.1.1. Suitable extinguishing media:**

Use extinguishing agent suitable for surrounding fire.

5.1.2. Unsuitable extinguishing media:

Do not use water jet.

5.2. Special hazards arising from the substance or mixture:**Fire hazard:**

In case of fire and/or explosion do not breathe fumes. Decomposition products may be a hazard to health.

Reactivity in case of fire:

None known.

Hazardous decomposition products in case of fire

Hazardous vapours may be released.

5.3. Advice for firefighters:**Precautionary measures fire:**

Evacuate area. Eliminate all ignition sources if safe to do so.

Firefighting instructions:

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

General measures:

Ensure adequate ventilation. Eliminate every possible source of ignition. Evacuate area.

6.1.1. For non-emergency personnel:

Protective equipment:

Concerning personal protective equipment to use, see section 8.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders:

Protective equipment:

Do not attempt to take action without suitable protective equipment.

Emergency procedures: Ventilate area.

6.2. Environmental precautions:

Do not allow to contaminate surface water courses or soils. Do not use above the recommended amount for the water being tested. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up:

For containment:

Collect spillage

Methods for cleaning up:

Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections:

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Additional hazards when processed:

Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection.

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

Hygiene measures:

Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities:

Storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Protect from moisture.

Incompatible products and materials:

Strong acids. Strong bases. Sources of ignition. Direct sunlight.

7.3. Specific end use(s):

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls:

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment: Avoid all unnecessary exposure.

8.2.2.1 Eye and face protection:

Eye protection:

Chemical goggles or safety glasses. Refer to manufacturer's information.

| Eye Protection | | |
|----------------|----------------------|----------|
| Type | Field of application | Standard |
| Safety glasses | Dust, Fine dust | EN 166 |

8.2.2.2 Skin protection:

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Refer to manufacturer's information

| Hand Protection | | | | |
|--|--|-------------------|---|------------|
| Type | Material | Permeation | Penetration | Standard |
| Chemical resistant gloves (according to European standard ISO 374-1 or equivalent) | Nitrile rubber (NBR), Butyl rubber, Latex, Polyvinylchloride (PVC), Neoprene protective gloves | 6 (> 480 minutes) | Gloves must be replaced after each use and whenever signs of wear or perforation appear | EN ISO 374 |

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

| Respiratory Protection | | | |
|--|---------------------------|--|----------|
| Device | Filter type | Condition | Standard |
| Respiratory protective device with a particle filter | Type P1, Type P2, Type P3 | Protection for Liquid particles, Vapour protection | EN 149 |

8.2.2.4. Thermal hazards

No additional information available

8.2.2.5. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

| | | | |
|---------------------------|----------------|---|---|
| Physical state | Solid | Decomposition temperature | Not available |
| Colour | Dark blue | pH | 3 – 4 @ 10g/l |
| Appearance | Powder | Viscosity, kinematic | Not applicable |
| Odour | Odourless | Solubility | soluble in water. Water: ≈ 80 g/l @ 95°C |
| Odour threshold | Not available | Partition coefficient n-octanol/water (Log Kow) | Not available |
| Melting point | Not available | Vapour pressure | Not available |
| Freezing point | Not available | Vapour pressure at 50°C | Not available |
| Boiling point | Not available | Density | Not available |
| Flammability | Non flammable | Relative density | 0.8 – 1 |
| Explosive limits | Not applicable | Relative vapour density at 20°C | Not available |
| Lower explosion limit | Not applicable | Particle size | Not applicable |
| Upper explosion limit | Not applicable | | |
| Flash point | Not applicable | | |
| Auto-ignition temperature | Not applicable | | |

9.2. Other information:

9.2.1. Information with regard to physical hazard classes:

No additional information available

9.2.2. Other safety characteristics:

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability:

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions:

Not established.

10.4. Conditions to avoid:

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials:

Strong acids. Strong bases.

10.6. Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity (oral):

Not classified

Acute toxicity (dermal):

Not classified

Acute toxicity (inhalation):

Not classified

E132 INDIGO CARMINE (860-22-0) LD50 oral rat:

> 2000 mg/kg

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | Not classified pH: 3 – 4 @ 10g/l |
| Serious eye damage/irritation | Not classified pH: 3 – 4 @ 10g/l |
| Respiratory or skin sensitisation | Not classified |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met |
| Additional information | Not classified |
| Carcinogenicity | Based on available data, the classification criteria are not met |
| Reproductive toxicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| STOT-single exposure | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| STOT-repeated exposure | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Aspiration hazard | Not classified |
| Additional information | Based on available data, the classification criteria are not met |

11.2. Information on other hazards:

11.2.1. Endocrine disrupting properties:

No additional information available

11.2.2. Other information:

Potential adverse human health effects and symptoms

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Hazardous to the aquatic environment, short-term:
Not classified (acute)

Hazardous to the aquatic environment, long-term:
Not classified (chronic)

12.2. Persistence and degradability:

Not established.

12.3. Bioaccumulative potential:

Not established.

12.4. Mobility in soil:

No additional information available

12.5. Results of PBT and vPvB assessment:

No additional information available

12.6. Endocrine disrupting properties:

No additional information available

12.7. Other adverse effects:

Additional information:

Avoid release to the environment.



SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials:

Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number:

Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

14.6. Special precautions for user:

Not applicable

14.7. Maritime transport in bulk according to IMO instruments:

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List):

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List):

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC):

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent):

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants):

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009):

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Explosives Precursors Regulation (2019/1148):

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004):

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany**Reference to AwSV:**

Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV; ID No. 3249)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV:

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands**SZW-lijst van kankerverwekkende stoffen:**

The substance is not listed

SZW-lijst van mutagene stoffen:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen –Vruchtbaarheid:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling:

The substance is not listed

15.2. Chemical safety assessment:

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

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