



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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DYOFIX LAKE SHADOW

Revision 4
Revision date 2017-03-31

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	DYOFIX LAKE SHADOW
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1.3. Details of the supplier of the safety data sheet

Company	Town End (Leeds) plc
Address	Silver Court, Intercity Way, Stanningley, Leeds, LS13 4LY
Web	www.dyes.co.uk
Telephone	+44 (0)113 256 4251
Fax	+44 (0)113 239 3315
Email	msds@dyes.co.uk
Email address of the competent person	msds@dyes.co.uk

1.4. Emergency telephone number

Emergency telephone number	+44 (0)113 256 4251 9.00 am - 5.00 pm GMT Mon - Fri
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Intended use

	Lake and Pond Colorant.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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2.2. Label elements

	None.
Risk phrases	No Significant Hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

	Not applicable.
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3.2. Mixtures

	The product does not contain any substances classified as hazardous according to CLP.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if you feel unwell or if exposure is prolonged.
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4.1. Description of first aid measures

Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash affected skin with soap and plenty of water.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation if ingested.

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

Inhalation	Seek medical attention if irritation or symptoms persist. Symptomatic treatment.
Eye contact	Seek medical attention if irritation or symptoms persist. Symptomatic treatment.
Skin contact	Seek medical attention if irritation or symptoms persist. Symptomatic treatment.
Ingestion	Seek medical attention if irritation or symptoms persist. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. Carbon dioxide (CO ₂). Foam. Water spray.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	Do not allow product to enter drains.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Scoop into marked containers for disposal as chemical waste. Flush residues away with water.
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6.4. Reference to other sections

	See section 3, 8 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid ingestion, inhalation, skin and eye contact. Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle in accordance with good industrial hygiene practice and any legal requirements.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed. Store in a cool, dry, well ventilated area.
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7.3. Specific end use(s)

	No data available.
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SECTION 8: Exposure controls/personal protection


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8.1. Control parameters

	None established.
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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
Skin protection - Handprotection	Impervious gloves.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	Reddish
Odour	Odourless
Odour threshold	No data available
pH	7 - 8 at 10g/l
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available
Conductivity	No data available
Surface tension	No data available

Water solubility

	Soluble in water.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Damp atmosphere.

10.5. Incompatible materials

Oxidising agents. Reducing agents.

10.6. Hazardous decomposition products

Burning produces obnoxious and irritating fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data available.

11.1.4. Toxicological Information

DYOFIX LAKE SHADOW	Dermal Rat LD50: No data Dermal Rabbit LD50: No data	Oral Rat LD50: > 2000 mg/kg Inhalation Rat LC50/4 h: No data
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Further information

Skin sensitisation	None Known.
Adverse effects in man	No adverse effects reported.
Eye irritation	Non-irritant.

SECTION 12: Ecological information

12.2. Persistence and degradability

Partially eliminated by absorption on effluent treatment sludge.

12.3. Bioaccumulative potential

No data available.

Partition coefficient

DYOFIX LAKE SHADOW No data available

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

Further information

Bacterial toxicity	BST > 300 mg/l Sludge organisms.
Fish Toxicity	LC50 > 100 mg/l.
Metal content	Metal content under EC food additive recommended limits.
Summary	Not classified as harmful to aquatic organisms.
Behaviour in treatment plants	No inhibition. No nitrification inhibition known.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

	No data available.
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Disposal methods

	Dispose of in compliance with all local and national regulations. Contact a licensed waste disposal company.
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Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling. Dispose of containers in accordance with local and national regulations.
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Further information

European Waste Catalogue (94/3 EC)	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

Regulations	<p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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15.2. Chemical safety assessment

	No data available.
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SECTION 16: Other information**Other information****Revision**

This document differs from the previous version in the following areas:.

12 - Metal content.

12 - Fish Toxicity.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.