



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

DRAIN TRACING DYE ORANGE E102

Revision 2

Revision date 2015-08-07

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

1.1 Product Identifier

Product Name	Drain Tracing Dye Orange E10
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Tracing Dye
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1.3. Details of the supplier of the safety data sheet

Company Address	Masefield-Beta Limited, Unit 17, Coneygre Ind Est, Tipton, West Midlands, DY4 8XP
Web	https://www.masefield-beta.co.uk/
Telephone	Tel: 0121 557 3433
Fax	Fax: 0121 520 6369
E-mail	sales@masefield-beta.co.uk
Email address of the competent person	sales@masefield-beta.co.uk

1.4. Emergency telephone number

Emergency telephone number	0121 557 3433
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Intended use U/V Fluorescent leak tracing in aqueous media.

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

Risk phrases	None
	No Significant Hazard

DRAIN TRACING DYE ORANGE E102

3.1. Substances

Revision 2

Revision date 2015-08-07

SECTION 3: Composition/information on ingredients

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	Reach Registration Number	Conc. (%w/w)	Classification	M Factor
ORANGE E110			220-491-7				

The product does not contain any substances classified as hazardous according to CLP.

3.2. Mixtures

No data available.

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.
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.
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.

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

Ingestion	May cause irritation if ingested.
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	4.3. Indication of any immediate medical attention and special treatment needed
Ingestion	Seek medical attention if irritation or symptoms persist. Symptomatic treatment.

DRAIN TRACING DYE ORANGE E102

Revision 2

Revision date 2015-08-07

SECTION 5: Firefighting measures

5.1 . Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2 . Special hazards arising from the substance or mixture

Self-contained breathing apparatus.

5.3 . Advice for firefighters

Self-contained breathing apparatus.

Further Information

Gas	Carbon, nitrogen and sulphur oxides.
Explosion	None

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Gloves, goggles, respiratory protection.

6.2 . Environmental precautions

Do not allow product to enter drains. Do not allow product to contaminate water courses.

6.3 . Methods and material for containment and cleaning up

Scoop into marked containers for disposal as chemical waste.

6.4 . Reference to other sections

See section 3, 8 & 13 for further information.

Ensure adequate ventilation of the working area.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene practice and any legal requirements.
Adopt best
Manual Handling considerations when handling, carrying and dispensing.

7.2 . Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool, dry, well ventilated area.
Do not store with hazardous chemicals.
In common with many organic compounds in powder form it can produce flammable dust clouds in
air. Take precautionary measures against static discharges.

7.3 . Specific end use(s)

No data available.

DRAIN TRACING DYE ORANGE E102

Revision 2

Revision date 2015-08-07

SECTION 8: Exposure controls/personal protection

8.1 . Control parameters

None established.

8.2 . Exposure controls

8.2.1 . Appropriate engineering controls



8.2.2 . Individual protection measures

Ensure adequate ventilation of the working area.

Gloves, goggles, respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	Dark orange
Odour	Odourless
pH	7 - 8 at 1% conc
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	0.8 - 1 g/cm ³
Water solubility	22%
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

DRAIN TRACING DYE ORANGE E102

Revision 2

Revision date 2015-08-07

Solubility	No data available
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9.2. Other information

9.2. Other information

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

Water solubility

22%

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under normal conditions.

10.3 . Possibility of hazardous reactions

Oxidising agents. Reducing agents.

10.4. Conditions to avoid

Damp atmosphere.

10.5 . Incompatible materials

No data available

10.6 . Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data available

11.1.4. Toxicological Information

ORANGE E110	Dermal Rat LD50: No data	Oral Rat LD50: >2000 mg/kg
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DRAIN TRACING DYE ORANGE E102

Revision 2

Revision date 2015-08-07

Dermal Rabbit LD50: No data

Inhalation Rat LC50/4 h: No data

Skin sensitisation

None Known

Adverse effects in man

No adverse effects reported.

Eye irritation

Non-irritant.

Skin irritation

Non-irritant.

SECTION 12: Ecological information

12.1 . Toxicity

No data available

12.2 . Persistence and degradability

No data available.

12.3 . Bioaccumulative potential

No data available.

Partition coefficient

ORANGE E110 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

Metal content

Metal content under the ETAD recommended limits.

Summary

Not toxic or harmful to aquatic organisms.

SECTION 13: Disposal considerations

13.1.Waste treatment methods

No data available.

Disposal methods

Dispose of in compliance with all local and national regulations.
Can be sent to landfill or incinerated if in compliance with local and national regulations.

DRAIN TRACING DYE ORANGE E102

Revision 2

Revision date 2015-08-07

Disposal of packaging

Do NOT reuse empty containers.
Contaminated empty containers must be disposed of as chemical waste.
Dispose of containers in accordance with local and national regulations.

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

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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Revision 2

Revision date 2015-08-07

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

	<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	<p>This document differs from the previous version in the following areas:</p> <ul style="list-style-type: none"> 1 - Description. 3 - 3.1. Substances. 3 - 3.2. Mixtures. 5 - 5.2. Special hazards arising from the substance or mixture. 5 - Gas. 5 - Explosion hazard. 6 - 6.1. Personal precautions, protective equipment and emergency procedures. 6 - 6.2. Environmental precautions. 6 - 6.3. Methods and material for containment and cleaning up. 7 - 7.1. Precautions for safe handling. 7 - 7.2. Conditions for safe storage, including any incompatibilities. 8 - 8.2.2. Individual protection measures. 9 - 9.1. Information on basic physical and chemical properties (Colour). 9 - 9.1. Information on basic physical and chemical properties (PH).
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Print date 2016-12-14

Revision 2

Revision date 2015-08-07

- 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).
- 9 - 9.1. Information on basic physical and chemical properties (Melting point).
- 9 - 9.1. Information on basic physical and chemical properties (Flash point).
- 9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).
- 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).
- 9 - 9.1. Information on basic physical and chemical properties (Explosive properties).
- 9 - 9.1. Information on basic physical and chemical properties (Oxidising properties).
- 9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).
- 9 - 9.1. Information on basic physical and chemical properties (Relative density).
- 9 - 9.1. Information on basic physical and chemical properties (Viscosity).
- 9 - 9.1. Information on basic physical and chemical properties (Water solubility).
- 9 - 9.1. Information on basic physical and chemical properties (Vapour density).
- 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).
- 9 - 9.1. Information on basic physical and chemical properties (Freezing Point).
- 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).
- 9 - 9.1. Information on basic physical and chemical properties (Solubility).
- 9 - 9.2. Other information (Conductivity).
- 9 - 9.2. Other information (Partition coefficient).

Revision 2

Revision date 2015-08-07

Other information

9 - 9.2. Other information (Gas group).
9 - 9.2. Other information (Surface tension).
9 - 9.2. Other information (Benzene Content).
9 - 9.2. Other information (Product Subcategory).
9 - 9.2. Other information (Lead content).
10 - 10.4. Conditions to avoid.
10 - 10.3. Possibility of hazardous reactions.
10 - 10.6. Hazardous decomposition products.
11 - 11.1.4. Toxicological Information.
11 - Skin sensitisation.
11 - Adverse effects in man.
11 - Eye irritation.
11 - Skin irritation.
12 - 12.1. Toxicity.
12 - Metal content.
12 - Summary.
13 - Disposal methods.
13 - Disposal of packaging.
16 - Maximum content of VOC.

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.