



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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TOLBEST DRAIN TRACING DYE GREEN FLUORESCINE

Revision 7

Revision date 2016-09-15

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

1.1. Product identifier

Product name TOLBEST DRAIN TRACING DYE GREEN FLUORESCINE

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

Description Tracing Dye

1.3. Details of the supplier of the safety data sheet

Company	Tolbest Ltd
Address	8 Aston Court Kingsland Grange Warrington WA1 4SG
Web	www.tolbest.co.uk
Telephone	+44 (0)1925 825335
Fax	+44 (0)1925 825336
Email	info@tolbest.co.uk
Email address of the competent person	info@tolbest.co.uk

1.4. Emergency telephone number

Emergency telephone number +44 (0)1925 825335
9.00 am - 5.00 pm GMT Mon - Fri

Intended use

U/V Fluorescent leak tracing in aqueous media.

Further information

HS Code: 32041200.

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SECTION 2: Hazards	Identification
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2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45 / EC	Xi; R36
Main hazards	Symbols: Xi: Irritant.
2.1.2. Classification - EC 1272/2008	Irritating to eyes. Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms	
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2.2. Label elements

Signal Word	Warning
Hazard Statement	Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement:	P264 - Wash thoroughly after handling.
Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
Response	P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Other hazards	No data available.
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Further information

	GHS classification EC:. Symbol GHS-07. Eye Irrit. 2: H319 - Causes serious eye irritation.
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SECTION 3: Composition/information on ingredients

3.1. Substances

	Not applicable.
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3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Fluoresceine	45350	518-47-8	208-253-0			Xi; R36	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
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Sodium carbonate	011-005-00-2	497-19-8	207-838-8	Eye Irrit. 2: H319;
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Further information

	GHS Classification EC:. Symbol: GHS-07. Eye Irrit. 2: H319 – Causes serious eye irritation.
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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 irritation or symptoms persist.
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 off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Irritating 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 (CO2). Foam. Water spray.
5.2. Special hazards arising from the substance or mixture	Burning produces irritating, toxic and obnoxious fumes. Oxides of Carbon. Nitrogen and Sulphur.
5.3. Advice for firefighters	Wear suitable respiratory equipment when necessary. Self-contained breathing apparatus.
Further information	
Explosion hazard	None.

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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. Wear suitable protective equipment. Gloves, respiratory protection.

6.2. Environmental precautions

Do not allow product to contaminate water courses. Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

See section 3.8 & 13 for further information.

Further information

Additional information

This product can stain heavily particularly when undiluted.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid ingestion, inhalation, skin and eye contact. Ensure adequate ventilation of the working area. 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 containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

In common with many organic compounds in powder form it can produce flammable dust clouds in air. Whilst this product has been treated to minimise such risk, take precautionary measures against static discharges.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No exposure limit value known.

8.1.1. Exposure Limit Values

Sodium carbonate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3:
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total 10 inhalable dust:	WEL 15 min limit mg/m3 total inhalable dust:
	WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 15 min limit mg/m3 total respirable dust:

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8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

Eye / face protection

~~Approved safety goggles.~~

Skin protection -

Chemical resistant gloves.

Handprotection

Skin protection - Other

~~Wear chemical protective clothing.~~~~Respiratory protection~~~~Wear suitable respiratory equipment.~~

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	Yellow/Orange
Odour	Odourless
pH	8 - 9.5
Melting point	> 100 °C
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
Water solubility	> 15 g/l at 90C
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	> 200 °C
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

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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

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

No data available.

10.4. Conditions to avoid

No data available.

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

Germ cell mutagenicity	No data available.
	No mutagenic effects reported.

11.1.4. Toxicological Information

FLUORESCEINE POWDER	Dermal Rat LD50: No data	Oral Rat LD50: >2000 mg/kg
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12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

Partition coefficient

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	Dermal Rabbit LD50: No data	Inhalation Rat LC50/4 h: No data
Sodium carbonate	Oral Rat LD50: 4000mg/kg	

Further information

Skin sensitisation	None Known.		
Eye irritation	Irritant Rabbit.		
Skin irritation	Non-irritant	EC 83	Rabbit.

SECTION 12: Ecological information

Partition coefficient

	TOLBEST DRAIN TRACING DYE GREEN FLUORESCENCE No data available
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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Further information

Summary	No inhibition. No nitrification inhibition known.
	Not classified as harmful to aquatic organisms at 100mg/l.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

	No data available.
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Disposal methods

	Dispose of in compliance with all local and national regulations. Can be incinerated if in compliance with local and national regulations. Can be sent to landfill if in compliance with local and national regulations. Contact a licensed waste disposal company.
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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.
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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.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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.

SECTION 15: Regulatory information

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

Regulations

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.

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.

15.2. Chemical safety assessment

No data available.

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SECTION 16: Other information

Other information

Revision	GHS classification EC.
	Symbols. GHS-07.
	Eve Irrit. 2: H319 - Causes serious eye irritation.
	This document differs from the previous version in the following areas:.
Text of risk phrases in Section 3	14 - Further information.
	R36 - Irritating to eyes.
Text of Hazard Statements in Section 3	Eve Irrit. 2: H319 - Causes serious eye irritation.

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.
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