

Safety Data Sheet

CLP: Regulation (EC) 1272/2008 Issue No: 2.0 Issue Date: 07/11/2017

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

TIFFANY WATER SOLUBLE DYE

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

Technical grade dye for use in industrial colouration. Not for food use.

1.3 Details of the supplier of the safety data sheet

Supplier Name FRAGRANCE OIL STUDIO LIMITED
 Supplier address UNIT 1 HALIFAX COURT
 DUNSTON
 NE11 9JT

Supplier tel +447491963599
 Email INFO@FRAGRANCEOILSTUDIO.CO.UK

1.4 Emergency telephone number

+447491963599

2. Hazards identification

2.1 Classification of the substance or mixture

Aquatic chronic 4 H413 May cause long lasting harmful effects to aquatic life

2.2 Label elements

H413 May cause long lasting harmful effects to aquatic life
 P273 Avoid release to the environment.
 P501 Dispose of contents/container to landfill

2.3 Other hazards

Formation of airborne dust clouds and dust layers may create an explosion hazard. The product is a dye and will cause staining of the skin and other materials with which it comes into contact.

3. Composition/information on ingredients

3.2 Mixtures

Concentration Range	CAS No.	EC No.	IUPACNa
49 - 73%	4403-90-1	224-546-6	disodium 5-methyl-2-[[4-(4-methyl-2-sulfonatoanilino)-9,10-dioxoanthracen-1-yl]amino]benzenesulfonate
Aquatic chronic 4		H413	May cause long lasting harmful effects to aquatic life

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4. First aid measures

4.1 Description of first aid measures

Inhalation	If product is inhaled, remove the casualty to fresh air. Keep at rest and seek medical advice.
Skin Contact	In cases of local contamination eg to the hands, wash the skin with soap and plenty of lukewarm water. For large areas, remove all contaminated clothing and footwear and flush the affected parts with plenty of lukewarm water for at least 5 minutes to remove all traces of the product. If any irritation persists obtain medical attention.
Eye Contact	Do not allow the casualty to rub the eye(s). Quickly and gently blot or brush the product off the face and away from the eyes. Immediately flush the contaminated eye(s) with eyewash solution or lukewarm gently flowing water while holding the eyelids apart to ensure complete removal of the product. Continue irrigation for 15 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If there are any signs of irritation seek medical attention immediately.
Ingestion	Never give anything by mouth if the casualty is losing consciousness, is unconscious or convulsing. Do not make the casualty vomit. If the casualty is conscious, have them rinse their mouth thoroughly with water to remove as much of the product as possible. Do not swallow the water, but spit it out. Repeat several times. Give the casualty 240-300 ml of water to drink in small sips. Do not make the casualty drink a lot of water at once as this may cause vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Adverse health effects not anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable - treat symptomatically

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water, foam, dry powder.
Unsuitable extinguishing media	Use of carbon dioxide extinguishers is not recommended for fine powders as disturbed powder may create dust clouds.

5.2 Special hazards arising from the substance or mixture

May form hazardous decomposition products

5.3 Advice for firefighters

Protective actions to be taken during firefighting	None known - take actions appropriate for the fire situation and other materials present.
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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Avoid contact with the skin and eyes. Wear suitable gloves, protective overalls and footwear. Avoid creation of airborne dust - respiratory protection may be required if airborne dust is created during the clean up operation. Evacuate the danger area.
For emergency responders	No special precautions advised.

6.2 Environmental precautions

Do not allow spilled product to contaminate water courses.

6.3 Methods and material for containment and cleaning up

Sweep up and transfer into suitable closed containers for disposal – remember to label the containers. Ensure that any residues are flushed away completely with water – contain the wash-water. Dispose of in accordance with local regulations.

6.4 Reference to other sections

For information on PPE to be worn when dealing with a release, see section 8.2. For information on waste disposal methods of spilt material, see section 13.1

7. Handling and storage

7.1 Precautions for safe handling

Avoid formation of airborne dust clouds. Keep the work area dust free by regular cleaning and cleaning up spillages as they occur. Take precautionary measures against electrostatic discharge. Eating, drinking and smoking in work areas is prohibited. Wash hands after use. Avoid contact with the skin and eyes. Remove contaminated clothing and protective equipment before entering eating areas.

Immediately remove clothing that becomes contaminated and launder before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Protect from humidity and heat.

7.3 Specific end use(s)

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8. Exposure controls/personal protection

8.1 Control parameters

Exposure limit values UK HSE EH40 workplace exposure limits: Total inhalable dust 10mg/m³ (8-hour TWA) Respirable dust 4 mg/m³ (8-hour TWA)

8.2 Exposure controls

Appropriate engineering controls Maintain airborne concentrations of dust as low as possible and below the workplace exposure limits, using engineering controls if necessary.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses/goggles

Skin protection

Natural rubber gloves. Lightweight protective overalls.

Respiratory protection

If workplace exposure limits may be exceeded: a half-face mask with particle filter (European Standard EN143) suitable for the level of dust.

Thermal hazards

Not applicable

Environmental exposure controls

Dispose of in accordance with local regulations.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Green powder

Odour

None

Odour threshold

Not applicable

pH

6.5-8.5 @ 10 g/l

Melting/freezing point

Not applicable

Initial boiling point and boiling range

Not applicable

Flash point

Not applicable

Evaporation Rate

Not applicable

Flammability (solid, gas)

Not tested

Upper/lower flammability or explosive limits

Not tested

Vapour pressure

Not applicable

Vapour density

Not applicable

Relative density

Not tested

Solubility(ies)

40g/l H₂O @ 90°C

Not tested

Partition coefficient n-octanol/water

Not tested

Autoignition temperature

Not tested

Decomposition temperature

>200°C

Viscosity

Not applicable

Explosive properties

Not tested

Oxidising properties

Not tested

10. Stability and reactivity

10.1 Reactivity

None known

10.2 Chemical stability

Stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Keep the work area dust free - prevent dust explosion risk by avoiding formation of dust layers and airborne dust clouds.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None known

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11. Information on toxicological effects

Acute toxicity	Oral LD50 Rattus: >2000mg/kg Dermal - No Data Inhalation - No Data
Skin corrosion/irritation	Non irritant Lepus curpaeums
Serious eye damage/ irritation	Non irritant Lepus curpaeums
Respiratory or skin sensitization:	None Cavia porcellus
Germ cell mutagenicity	Not tested
Carcinogenicity	Not tested
Reproductive toxicity	Not tested
STOT- single exposure	Not tested
STOT- repeated exposure	Not tested
Aspiration hazard	Not tested
Other toxicological information	None

12. Ecological information

12.1 Toxicity

Effects on fish	Oncorhynchus mykiss: 14mg/l 48 hrs
Effects on daphnia	Not tested
Effects on algae and other aquatic plants	Not tested

12.2 Persistence and degradability

Bioelimination	62%
BOD	0mgO2/g
COD	856.6mgO2/g

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

Not determined

12.5 Results of PBT and vPvB assessment

Not determined

12.6 Other adverse effects

Adsorbable organically-bound halogen AOX	0%
Metal Content	0%

13. Disposal considerations

13.1 Waste treatment methods

For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in section 8 of the SDS (exposure controls and personal protection). Surplus or waste product and contaminated packaging should be disposed of in accordance with local regulations.

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14. Transport information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

REACH title VII

Not applicable

REACH title VIII

We do not manufacture products that contain azodyes which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines listed in Appendix 8 and Appendix 9.

15.2 Chemical safety assessment

Not applicable

16. Other information

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2.0

Issue Date

2017.11.07

Revision details

07/11/2017 Classification amended in line with registered substance

Glossary

GHS: Globally Harmonized System of Classification and Labelling of Chemicals. CLP: Regulation (EC) 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and amendments. REACH: Regulation (EC) 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, and amendments.

Key literature references and other information sources used to compile the SDS

A combination of own tests, literature sources, read across from similar substances and suppliers SDS

Mixture evaluation method

Additive

Appropriate training for workers

General training in handling chemicals.

Recommendations

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.