

SAFETY DATA SHEET

Revision Date 24-02-2010

TRADE NAME:

TRACING DYE – GREEN (FLUORESCENT)
22971 FLUORESCENCE - POWDER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Chemical description Tracing Dye Preparation

Use of the substance/preparation

U/V Fluorescent leak tracing in aqueous media

Company/undertaking identification

Product responsibility Killgerm Chemicals Limited, Ossett, WF5 9NA

Responsible department Technical Department

Supplier Killgerm Chemicals Limited

P.O. Box No 2, Ossett

West Yorkshire, WF5 9NA

Emergency telephone (0044) (0) 1924 288400

2. COMPOSITION / INFORMATION ON INGREDIENTS

Information on ingredients Cas-No

Xanthene Dye 518-47-8 (ACID YELLOW 73)

Blue FCF 3844-45-9

Sodium Carbonate 497-19-8

3. HAZARD IDENTIFICATION

According to the present knowledge of this product there is no known danger to humans if this product is handled in the correct manner

4. FIRST-AID MEASURES

Inhalation – Remove to a well ventilated area. Consult medical advice if reaction occurs

Skin Contact – Wash with water

Eye Contact – Flush with water – seek medical advice if reaction occurs

Ingestion – Flush out mouth with water. Seek medical advice

Advice for the doctor – Treat symptomatically

5. FIRE-FIGHTING MEASURES

Fire extinguishing agents – Carbon Dioxide, foam, water spray

Restrictions None

Fire/explosion hazard - None

Main combustion gas – None

Personal protection – N/A

6. ACCIDENTAL RELEASE MEASURES

Personal protection – Gloves, respiratory protection if using powder in a confined space

Environmental precautions – Although a tracing dye do not allow to contaminate water courses through unwanted product spillage

Spillage procedure – Absorb with inert material, vacuum or sweep up into containers marked for disposal as chemical waste

Additional Information – Dyestuffs can stain heavily

7. HANDLING AND STORAGE

Handling

Occupational hygiene – Avoid ingestion, inhalation, skin and eye contact. Handle in accordance with good industrial hygiene practice and any legal requirements

Storage

Fire precautions

Storage facilities – Store in a cool dry area with adequate ventilation

Segregation – No special precautions

Storage conditions – 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. Keep containers closed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limit values

Components with occupational exposure limits –

Exposure Controls

Occupational exposure controls

General Personal Protection – Gloves, respiratory protection goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance

Form - Powder
Colour - Yellow/Orange
Odour – None

Important health safety and environmental information

pH 8.0-9.5 (aqueous) at 1 g/l at 20°C

Boiling Point N/A

Flash Point N/A

Oxidising properties

Vapour pressure N/A

Density 0.6-0.8 gm/cc

Solubility in water >15 g/l at 90°C

Other information

Melting point >100°C

Thermal decomposition >200°C

Ignition temperature

Explosion limits (Vol%) Lower
Upper

10. STABILITY AND REACTIVITY

Conditions to avoid - None

Materials to avoid- None

Hazardous decomposition products – None under normal storage conditions

Additional Information – See section 7 Storage conditions

11. TOXICOLOGICAL INFORMATION

Acute toxicity

-LD50 oral >3000 **Rat**

Primary irritation

(Skin) Non irritant EC83 Rabbit

(Eye) Irritant EC83 Rabbit

Skin sensitisation None known

Adverse effects in man – No mutagenic effects reported

Additional information

12. ECOLOGICAL INFORMATION

Ecotoxicity

Bacterial toxicity

BST

Fish toxicity

LC0 >100 mg/l

LC50 >100 mg/l

Species: Trout

Test Time: 96 hours

Summary – Not classified as harmful to aquatic organisms at 100 mg/l

Persistence and degradability

Bioelimination

Summary

Behaviour in treatment plants –

Additional Ecology Data

BOD5

COD

TOC

Nitrogen content

Phosphorus content

Organohalogen content

Metal content

Tested material

Additional information

13. DISPOSAL CONSIDERATIONS

Product disposal – Incineration, landfill, observe local regulations

Contaminated packaging – Contaminated empty containers must be disposed of in accordance with local general waste regulations

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE

Transport road and rail

UN Number ADR/RID

Correct technical name ADR/RID Free

ADR/RID Class

Packing Group

Transport air

UN Number ICAO

Proper shipping name Free

ICAO Class

Packing Group

Transport sea

UN Number IMO

Proper shipping name Free

IMDG Class

Packing Group

15. REGULATORY INFORMATION

CLASSIFICATION AND LABELLING

Symbol and classification None

R-Phrases N/A

S-Phrases N/A

Contains Sodium Carbonate / Acid Yellow 73 / Blue FCF

16. OTHER INFORMATION

Recommended restrictions on use

Killgerm Limited product is recommended as specified or as otherwise agreed that recommendations regarding application and relevant regulations are followed.

Only trained personnel should handle chemical products and adopt sound industrial hygiene practice.