

Material Safety Data Sheet

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|------------------------------|-----------------------------|----------------------------|-----------------|-----------|
| Product No. 200727 | Name Dye Solution | Printed Date 2007-08-30 | Rev A | Page 1(3) |
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| ISSUE | DATE | REPLACE | CHANGES FROM LAST REVISION |
|-------|-------------|-----------------------|----------------------------|
| REV A | 21 AUG 2007 | All earlier Revisions | New layout, |
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : Dye Solution
 Product Number : 200727
 Company : BioDETECT AS
 Olaf Helsets vei 5
 N-0694 OSLO
 Norway

Telephone : +47 22628152

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Product | CAS No | EC-No | Concentration (%) |
|----------------------------|------------|-----------|-------------------|
| Dye Solution | - | - | 100 |
| Ingredient product | CAS No | EC-No | |
| -Propidium iodide solution | - | - | ≤1 |
| -Water | - | - | ≥98 |
| -Sodium Azide | 26628-22-8 | 247-852-1 | ≤0,1 |

3. HAZARDS IDENTIFICATION

Special indication of Hazards to humans and the environment
 Toxic if swallowed. Contact with acids liberates Toxic gas. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environments.

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution. Seek medical advice.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Call physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use dry chemical or carbon dioxide. Do not use water Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapours, mist or gas.

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Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling

Normal measures for preventive fire protection.

Storage

Store it in cool place. 2-8°C. Keep container tightly closed in a dry and dark place. Light sensitive.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridge. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Use protective gloves.

Eye protection

Use safety glasses

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid
Colour no data available

Safety data

pH no data available
Melting point no data available
Boiling point no data available
Flash point no data available
Ignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available
Vapour pressure no data available
Density no data available
Water solubility soluble

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.

No unusual fire or explosive hazards

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 - mouse – 16mg/kg subcutaneous

Irritation and corrosion

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Skin - Human – May cause skin irritation

Sensitization

Remarks: no data available

Chronic exposure

No data available

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be fatal if swallowed

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability Remarks: no data available

Ecotoxicity effects

Toxicity to fish LC50 - other fish – 4.2mg/l - 48 h (when use concentrated Azide)

Further information on ecology

No data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives

Further information:

Toxic. Dangerous for the environment. Directive 67/548/EEC.

Toxic if Swallowed.

Contact with skin or eyes wash immediately.

16. OTHER INFORMATION

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioDETECT AS, shall not be held liable for any damage resulting from handling or from contact with the above product.

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