

SAFETY DATA SHEET

FE5

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Revision No: 1

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

Product name: FE5

Product code: RC4808

Synonyms: REAGENT FE-4 NRR444

Use / description of product: Toxic. Liquid. The regulatory information is dependent upon the concentration limit of the specific substance.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: THIOGLYCOLIC ACID 30-60%

CAS: 68-11-1

EINECS: 200-677-4

[T] R23/24/25; [C] R34;

3. HAZARDS IDENTIFICATION

Main hazards: Toxic by inhalation, in contact with skin and if swallowed. Causes burns.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: If conscious, give 1 pint of water to drink immediately.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water ONLY

Exposure hazards: In combustion emits toxic fumes. Combustible.

Protection of fire-fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not allow large quantities to enter local drainage systems

[cont...]

7. HANDLING AND STORAGE**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory protection: Fume cupboard- flame proof. Self-contained breathing apparatus must be used in handling.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Face-shield.

Skin protection: Protective clothing with elasticated cuffs and closed neck.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Pale yellow

Odour: Pungent sulphurous

Solubility in water: Miscible in all proportions

pH: 4-5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Ingredient 1: THIOGLYCOLIC ACID

ORL RAT LD50 114mg/kg

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS**

Waste disposal: Dispose of as normal industrial waste.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1940

ADR Class: 8

Hazard ID no: 80

Labelling: 8

Shipping name: THIOGLYCOLIC ACID

IMDG / IMO

UN no: 1940

Class: 8

Packing group: II

EmS: 8-05

FE5

Marine pollutant: NO**Labelling:** 8**IATA / ICAO****UN no:** 1940**Class:** 8**Packing group:** II**Packing instructions:** 813**Quantity:** 30 L**Labelling:** 8**15. REGULATORY INFORMATION****Hazard symbols:** Toxic.**Risk phrases:** R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of ...

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**16. ADDITIONAL INFORMATION****Additional information:** The information contained within this MSDS is based on bulk quantities. The user should bear in mind the reduced hazard associated with the small quantities normally associated with test kit reagents, and adjust their responses accordingly.**Risk phrases used in s.2:** R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.