

# SAFETY DATA SHEET

FE6

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

**Product name:** FE6

**Product code:** RP4810

**Use / description of product:** Toxic. Liquid. Please note the small quantity - and refer to additional information on the last page of this MSDS

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredient 1:** THIOGLYCOLIC ACID 10-30%

CAS: 68-11-1

EINECS: 200-677-4

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

**Ingredient 2:** RAW AMMONIUM THIOGLYCOLATE 10-30%

[Xn] R20/21;

## 3. HAZARDS IDENTIFICATION

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

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** Irritation or pain may occur at the site of contact. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** There may be pain and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Absorption through the lungs can occur causing symptoms similar to those of ingestion. There may be coughing and a sore throat.

## 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. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** If conscious, give 1 pint of water to drink immediately. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

[cont...]

**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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory protection:** Self-contained breathing apparatus must be used in handling.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless

**Odour:** Pungent sulphurous

**Viscosity:** Non-viscous

**Oxidising:** Non-oxidising (by EC criteria)

**Evaporation rate:** Slow

**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 of sulphur oxides.

**11. TOXICOLOGICAL INFORMATION**

**Effects of exposure** Watering of the eyes. Nausea. Vomiting.

**Routes of exposure** Danger of serious damage to health by prolonged exposure in contact with skin.  
Danger of serious damage to health by prolonged exposure if swallowed.

**Ingredient 1:** THIOGLYCOLIC ACID  
ORL RAT LD50 114mg/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Soluble in water.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**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:** 2927

**ADR Class:** 6.1

**Hazard ID no:** 68

**Labelling:** 6.1+8

**Shipping name:** TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.

**IMDG / IMO**

**UN no:** 2927

**Class:** 6.1

**Packing group:** II

**EmS:** 6.1-02

**Marine pollutant:** YES

**Labelling:** 6.1+8

**IATA / ICAO**

**UN no:** 2927

**Class:** 6.1

**Packing group:** II

**Subsidiary risk:** 8

**Packing instructions:** 611

**Quantity:** 30 L

**Labelling:** 6.1+8

**15. REGULATORY INFORMATION**

**Hazard symbols:** Toxic.

Corrosive.

**Risk phrases:** R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

**Safety phrases:** S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.



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S27: Take off immediately all contaminated clothing.

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

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

**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.  
R20/21: Harmful by inhalation and in contact with skin.

**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.