

# SAFETY DATA SHEET

FE8

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

**Product name:** FE8

**Product code:** RC4819

**Use / description of product:** Harmful. 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:** HYDROCHLORIC ACID <10%

EINECS: 231-595-7

[C] R34; [Xi] R37;

**Ingredient 2:** RAW ETHYLENE DIAMINE TETRA ACETIC ACID DI SODIUM SALT <10%

**Ingredient 3:** RAW MONOETHANOLAMINE 10-30%

[Xn] R20; [Xi] R36/37/38;

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Harmful by inhalation. Irritating to eyes, respiratory system and skin.

## 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. Dry chemical powder. Alcohol foam Mist Foam Do not use carbon dioxide.

**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**

**Storage conditions:** Store in cool, well ventilated area.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**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:** Colourless

**Odour:** Ammoniacal

**Solubility in water:** Miscible in all proportions

**pH:** 10-11

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat. Flames.

**Materials to avoid:** Oxidising agents.

**Haz. decomp. products:** When heated to decomposition, emits irritating fumes

**11. TOXICOLOGICAL INFORMATION****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:** 2491

**ADR Class:** 8

**Hazard ID no:** 80

**Labelling:** 8

**Shipping name:** ETHANOLAMINE OR ETHANOLAMINE, SOLUTION

**IMDG / IMO**

**UN no:** 2491

**Class:** 8

**Packing group:** III

**EmS:** 8-05

**Marine pollutant:** NO

**Labelling:** 8

**IATA / ICAO**

**UN no:** 2491  
**Class:** 8  
**Packing group:** III  
**Packing instructions:** 820  
**Quantity** 60 L  
**Labelling:** 8

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

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

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

**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:** R34: Causes burns.

R37: Irritating to respiratory system.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and 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.