

# SAFETY DATA SHEET

FE1

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**Danum Laboratory Services**

**2 Duncroft Grove**

**Rossington**

**Doncaster DN11 0UL**

**Tel: 01302 864668**

**Fax: 01302 860880**

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

**Product name:** FE1

**Product code:** RP4805

**Use / description of product:** Corrosive. Liquid.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

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

CAS: 64-19-7

EINECS: 200-580-7

[-] R10; [C] R35;

## 3. HAZARDS IDENTIFICATION

**Main hazards:** 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 irritation and pain. Corneal burns may occur.

**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.

**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. 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.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Water. Carbon dioxide. Dry chemical powder. Foam Vapourising Liquids.

**Exposure hazards:** In combustion emits toxic fumes.

**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.

[cont...]

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

**Clean-up procedures:** Cover the spillage with sodium bicarbonate or similar powdered alkali. Add a small amount of water and mix. Transfer to a suitable container. Neutralise with dilute hydrochloric acid testing with litmus paper periodically. Wash down the drain with large amounts of water.

## 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**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.

**TWA (8 hr exposure limit):** 25 (acetic acid)

**STEL (15 min exposure limit):** 37 (acetic acid)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Colourless

**Odour:** Vinegar.

**Viscosity:** Non-viscous

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

**Evaporation rate:** Slow

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

**pH:** 1

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat. Moist air.

**Materials to avoid:** Oxidising agents.

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

## 11. TOXICOLOGICAL INFORMATION

**Ingredient 1:** ACETIC ACID...100%

ORL RAT LD50 3310mg/kg

## 12. ECOLOGICAL INFORMATION

**Mobility:** Non-volatile.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

[cont...]

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Neutralise with excess sodium bicarbonate solution. Flush liquors to drain, local regulations permitting, or send to a waste water treatment plant.

**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:** 2790

**ADR Class:** 8

**Hazard ID no:** 80

**Labelling:** 8

**Shipping name:** ACETIC ACID, SOLUTION

**IMDG / IMO**

**UN no:** 2790

**Class:** 8

**Packing group:** II

**EmS:** 8-15

**Marine pollutant:** YES

**Labelling:** 8

**IATA / ICAO**

**UN no:** 2790

**Class:** 8

**Packing group:** III

**Packing instructions:** 820

**Quantity** 60 L

**Labelling:** 8

**15. REGULATORY INFORMATION**

**Hazard symbols:** Corrosive.



**Risk phrases:** R34: Causes burns.

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

S23: Do not breathe spray.

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

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**

**Risk phrases used in s.2:** R10: Flammable.

R35: Causes severe 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.