

## HEALTH & SAFETY DATA SHEET

<b>1. IDENTIFICATION OF PREPARATION / COMPANY DETAILS</b>	
PRODUCT ID:- <b>CR18</b>	PRODUCT NAME:- <b>RUST &amp; IRON MOULD REMOVER</b>
Company details:-	Craftex Cleaning Systems, 66 - 68 Priory Bridge Road, Taunton, TA1 1QB. Telephone:- 01823 332696
Intended Use:-	Strong acidic rust remover solution for use on most fabrics

### 2. COMPOSITION / INFORMATION & INGREDIENTS

Ingredients of note / CAS No.	Approx. Conc.	Classification	R phrases
Hydrofluoric acid [7664-39-3]	6%	Toxic & corrosive	R23/24/25 R35 (OES set – see section 8)

### 3. HAZARDS IDENTIFICATION

OVERALL CLASSIFICATION:- **TOXIC & CORROSIVE** [R23/24/25 – Toxic by inhalation, in contact with skin and if swallowed]  
[R34 – Causes burns];

This product contains a substance / material with an Occupational Exposure Standard published in HSE document EH 40 (see section 8).

### 4. FIRST AID MEASURES

**EYES:-** Irrigate copiously with clean, fresh water or saline solution. Obtain immediate medical attention.

**INHALATION:-** Move to fresh air. Obtain immediate medical attention.

**SKIN:-** Wash skin immediately with plenty of water. Massage calcium gluconate gel into the burnt area, continue until medical advice is sought. Obtain immediate medical attention. Remove contaminated clothing & isolate from contact.

**INGESTION:-** If accidentally swallowed, immediately drink plenty of milk of magnesia or give six effervescent soluble calcium tablets in water. Obtain immediate medical attention.

**Note:-** Calcium gluconate antidote kits must be available in the workplace. Antidote should be administered without delay and patients sent immediately to hospital. Effects of exposure to inorganic fluorides may take up to 24 hours to develop. Provide this Safety Data Sheet to Doctor.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing media:-** Use CO<sub>2</sub>, foam, dry powder.

**Extinguishing media which must not be used for safety reasons:-** -

**Special Protective Equipment for Fire fighters:-** Self contained breathing apparatus & full protective clothing required.

**Further information:-** Gives off toxic fumes if involved in conflagration.

### 6. ACCIDENTAL RELEASE MEASURES

**Methods for Clean up:-** Wear full PPE as specified in section 8. Bund spill using inert absorbent material. Carefully dilute with water spray to minimise fume emission and heat generation. Carefully neutralise using an excess of slaked lime or soda ash to form a slurry. Take up slurry into plastic containers for disposal by a licensed waste contractor in accordance with local authority Regulations.

**Environmental Precautions:-** Do not allow untreated material to enter water courses.

### 7. HANDLING & STORAGE

**Handling:-** Read the product instruction label before use. Ensure good general ventilation and / or exhaust ventilation in areas of work. Use only in recommended concentration. Wear full personal protective equipment as shown in section 8. Never return used product to the container. Prevent skin / eye contact, inhalation and ingestion. Running water should be immediately available.

**Storage:-** Do not mix with any other chemicals other than those advised on the product label or by Craftex representatives. Store upright between 5 & 25°C in a dry well ventilated place, in original container. Keep tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**HAND:-** Protective gloves (eg:- Plastic / PVC)  
**EYES:-** Goggles / faceshield  
**SKIN:-** PVC overalls & boots  
**RESPIRATORY:-** Type approved RPE for toxic vapours

ALWAYS WASH THOROUGHLY AFTER HANDLING CHEMICALS.

Occupational Exposure Standard:- Hydrofluoric acid – LTEL (8 hours) – 2.5 mg/m<sup>3</sup>

**9. PHYSICAL & CHEMICAL PROPERTIES**

**Appearance:-** Colourless liquid  
**pH:-** 1  
**Flammability:-** Not flammable  
**Solubility:-** Miscible with water  
**Colour:-** Clear  
**Odour:-** Sharp acidic smell

**10. STABILITY & REACTIVITY**

**Conditions to Avoid:-** Stable under normal conditions.  
**Materials to Avoid:-** Sulphides, carbonates, cyanides, many metals, alkalis and water.  
**Hazardous Decomposition Information:-** Toxic fumes may be released if involved in fire.

**11. TOXICOLOGICAL INFORMATION**

Poisoning can result following absorption into the blood. Material will absorb through intact skin. Extremely destructive to eyes, skin and moist tissues.

**OVEREXPOSURE SYMPTOMS:-**

<b>Eye contact:-</b> Burning sensation. Severe pain. Immediate treatment necessary.	<b>Ingestion:-</b> Burning sensation. Severe pain, nausea, vomiting. Immediate treatment necessary.
<b>Skin contact:-</b> Burning sensation. Severe pain. Immediate treatment necessary.	<b>Inhalation:-</b> Coughing, chest pain, laryngitis, shortness of breath, nausea. Immediate treatment necessary.

**12. ECOLOGICAL INFORMATION**

Ecological Information on ingredients:- Will persist in the form of insoluble fluorides.

**13. DISPOSAL CONSIDERATIONS**

Contain & prevent from entering watercourses. Dispose of via a licensed waste contractor in accordance with local authority Regulations.

**14. TRANSPORT INFORMATION**

**Shipping Classification / Information:** TOXIC LIQUID  
UN No: 1790. Primary hazard:- Toxic. Hazard class:- 8 Packing Group: II.  
Emergency Action code:- 2X

**15. REGULATORY INFORMATION**

**Hazard Symbol:** 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 reach of children) S7/9 (Keep container tightly closed and in a dry, well ventilated place) 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) S45 (In case of accident or if you feel unwell, seek medical advice immediately and show the product label)

**16. OTHER INFORMATION**

The Provision of Safety Data Sheets is a requirement for certain substances / preparations under Regulation 6 of the Chemicals (Hazard Information and Packaging for Supply) Regulations (normally abbreviated to "CHIP"). Additionally provision of information is required under the Health & Safety at Work Act 1974.

Always read the product label. Handle and apply only as recommended.

Users of products supplied by Craftex Cleaning Systems should carry out a risk assessment in order to establish appropriate measures to ensure that working practices and control measures are in accordance with the Control of Substances Hazardous to Health Regulations.

All information is based on results gained from experience and testing and is believed to be accurate, but is given without acceptance of liability for loss or damage attributable to reliance thereon, as conditions of use lie outside our control. Users should always carry out sufficient testing to establish the suitability of products for their intended applications.