

SAFETY DATA SHEET

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Rust Remover

Revision 0
Revision date

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Rust Remover

Company Unicare (Chemicals)Limited
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Ammonium hydrogen difluoride	10 - 20%	1341-49-7	215-676-4	T; R25 C; R34
Ethanol	1 - 10%	64-17-5	200-578-6	F; R11
Citric acid anhydrous	1 - 10%	77-92-9		Xi; R36

3. HAZARDS IDENTIFICATION

Main hazards Toxic if swallowed. Causes burns.

4. FIRST AID MEASURES

Skin contact Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.

Inhalation Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label.

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5. FIRE FIGHTING MEASURES

Extinguishing media	Alcohol resistant foam. Carbon oxides.
Fire hazards	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
Protective equipment	Self-contained breathing apparatus. Wear protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Ethanol	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m ³ : 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : -

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Self-contained breathing apparatus must be used in handling.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Aqueous solution.
Colour	Clear.
pH	5
Relative density	1.04 kg /l

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
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11. TOXICOLOGICAL INFORMATION

Corrosivity	Causes burns.
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12. ECOLOGICAL INFORMATION

Degradability	More than 90% biodegradable.
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13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
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14. TRANSPORT INFORMATION

ADR/RID

UN 2817	Packing group III
Class 8	Hazard ID 86
Proper Shipping Name	
AMMONIUM HYDROGENDIFLUORIDE SOLUTION .	

IMDG

UN 2817	Packing group III
Class 8	Marine pollutant NO
EmS Code F-A S-B	

IATA

UN 2817	Packing group III
Class 8	Subsidiary risk 6.1
Packing Instruction 821 (Cargo)	Maximum quantity 60 L
Packing Instruction 819 (Passenger)	Maximum quantity 5 L

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.

Symbols T - Toxic



Risk phrases R25 - Toxic 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).

16. OTHER INFORMATION

Text of risk phrases in Section 2 R11 - Highly flammable.
R25 - Toxic if swallowed.
R34 - Causes burns.
R36 - Irritating to eyes.

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. The product is biodegradable according to 648/2004 EEC.