


SAFETY DATA SHEET

PRODUCT NAME: Rustaway

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	Rustaway
Synonyms	n/a
Product Description/ Use	Textile Rust Remover
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	11/13 Silverstone Crescent Kyalami Business Park Midrand
Postal Address	PO Box 5742; Rivonia; 2128
Contact Details	Emergency: 011-466 1885

2. HAZARDS IDENTIFICATION		
Classification of the product:		
Skin Corrosion/ Irritation	1B	Causes severe skin burns and eye damage
Serious Eye Damage/ Eye Irritation	1	Causes serious eye damage
Label Elements: DANGER		
Pictograms:		
 <p style="margin: 0; font-size: x-small;">GHS05 Corrosive</p>		
Signal Words: DANGER		
Hazard Statements:		
H314: Causes severe skin burns and eye damage		
H318: Causes serious eye damage		
Precautionary Statements:		
P260 Do not breathe dust/fume/gas/mist/vapors/spray		
P264 Wash thoroughly after handling.		
P280 Wear protective gloves/protective clothing/eye protection/face protection.		
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.		
P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].		
P363 Wash contaminated clothing before reuse.		
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.		
P310 Immediately call a POISON CENTER or doctor/physician.		
P321 Specific treatment (Acid Solution).		
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.		

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P405 Store locked up.
P501 Dispose of contents/container to proper waste disposal methods.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS Number	Weight %
Ammonium Biflouride	1341-49-7	30-40%

4. FIRST AID MEASURES

Inhalation	Keep patient calm, remove to fresh air, seek medical attention.
Skin contact	Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.
Eye contact	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
Ingestion	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Note to physician	Treat according to symptoms as per strongly acidic product.

5. FIRE-FIGHTING MEASURE

Extinguishing media	Not flammable
Specific Hazards arising from substance or mixture	Not known
Advice for Fire Fighters	Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.
Further Information	The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective clothing. Information regarding personal protective measures see, section 8.
Environmental precautions	Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.
Methods for cleaning up recovery	Small spills: Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Large spills: Dike far ahead of liquid spill for later disposal. Do not flush

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	to sewer or waterways. Prevent release to the environment if possible.
Neutralisation and disposal of spillage	May be neutralised with a weak alkali solution prior to disposal of large quantities.

7. HANDLING AND STORAGE

Observe the usual precautionary measures for handling and storing chemicals

Handling	Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.
Storage	Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage. Empty containers may contain toxic, flammable and explosive residue or vapours. Do not cut, grind, drill, or weld on or near containers unless precautions are taken against these hazards.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits:

Component	Limit	
Flourine	2.5mg/m ³ per 8 hours	OSHA

Personal Protective Equipment: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Form	Liquid
Colour	Water White
Odour	None
PH Value	3
Boiling point/ boiling range (°c)	Not ascertained
Flash point (°c)	Not applicable
Solubility	Soluble in water
Viscosity at 20°c	Not ascertained
Specific gravity at 20°c	1.07+-0.02

10. Stability and reactivity	
Stability and possible hazardous reactions	No hazardous reactions if stored and handled as prescribed/indicated.
Conditions/ materials to avoid	None
Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use.

11. Toxicological information	
*LD 50test on animals available on certain raw materials in product on request	
Acute Effects	Corrosive to all tissues, not known to be mutagenic, genotoxic, carcinogenic.
Chronic Effects	No Data Available

12. Ecological information	
Toxicity	Ammonium fluoride: By analogy Not harmful to fish (LC/LL50 > 100 mg/L)
Persistence/ Biodegradability	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in Soil	Not known
Additional Information	None

13. Disposal considerations	
Disposal of chemical product	Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations.
Disposal of contaminated packaging	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorised use of used containers.

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14. Transport regulations
Proper Shipping Name: Ammonium Hydrogen Difluoride Solution (UN2817) Hazard Class: 8 Corrosive Packaging Group: III Labels Required: Corrosive

15. REGULATORY INFORMATION	
Labeling accordance with SANS 10234 latest revision.	OHS Act, 1993(Act No. 85 of 1993). Hazardous Substance Regulation of 1995
Hazard Statements	H314: Causes severe skin burns and eye damage H318: Causes serious eye damage
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16. ADDITIONAL INFORMATION (E.G. SPECIAL TRAINING OR RESTRICTIONS ON THE PRODUCTS USE)

Refer to product data sheet for product use directions
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