

**COSHH SHEET**  
**Clean and Green – Rust & Iron Mould Protector**

**1. Identification of Substance or Preparation Product Code: RR**

**Product Name: RUST & IRON MOULD PROTECTOR**

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**2. Composition / Information on Ingredients**

Hazardous Ingredient(s):	CAS NO:	%w/w:	Symbol:	R Phrases
Aqueous solution of ammonium hydrogen fluoride (equivalent to 6% hydrogen fluoride)	7664-39-3	50-100	T, C	R23/24/25, R34
Non Hazardous Ingredients:				

**3. Hazards Identification**

**TOXIC AND CORROSIVE**

**4. First Aid Measures (Symptoms)**

Inhalation	May cause irritation of respiratory tract
Skin Contact	May cause irritation, damaged skin
Eye Contact	May cause irritation, redness
Ingestion	May cause irritation to the mouth and throat, stomach upset

**Additional Information** It is recommended that each operator and handler should be provided with a tube of **calcium gluconate gel**. If a spillage on the skin occurs, first aid treatment as directed on the tube should commence immediately.

**Available from Industrial Pharmaceutical Services, Manchester, 0161 628 3672.**

Calcium gluconate antidote kits must be available in the work place and administered without delay and the patient sent immediately to hospital

Refer to and read carefully **First Aid (Actions)** on the next page

## 5. First Aid Measures (Actions)

Inhalation:	Remove from exposure. Keep warm and at rest. Obtain medical attention if ill effects occur
Skin Contact:	Immediately remove all contaminated clothing. Wash skin with plenty of water. <b>Massage calcium gluconate gel into burnt area and continue until medical advice is sought.</b>
Eye Contact:	In case of contact, immediately wash out with water or isotonic saline solution for at least 10 minutes. Obtain medical attention
Ingestion:	Do not give anything by mouth to an unconscious person. Wash out mouth with water and give copious amounts of water to drink. Do not induce vomiting. Obtain medical attention
Additional Information:	Always launder contaminated clothing before re-use

## 6. Fire Fighting Methods

Extinguishing Media:	Product not flammable. Use extinguishing media to suit cause of fire.
Fire Fighting Protective:	Reacts with steel and many metals to produce flammable hydrogen Full protective clothing and self contained breathing apparatus

## 7. Accidental Release Measures

Caution:	Neutralise with an excess of slaked lime to form a slurry which can be washed down the drain or absorb Transfer to a suitable plastic container for disposal Dispose of under Local Authority Guidelines Small spillage - flush away with water Avoid washings entering water courses
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## 8. Handling & Storage

Handling:	Avoid contact with eyes and skin
Storage:	Keep in original containers, away from heat and incompatibles Keep containers upright and tightly closed when not in use Do not store below 5°C or above 30°

## 9. Exposure Controls / Personal Protection

Hazardous Ingredient(s)	LTEL (8Hr TWA)		STEL (15 mins)	
	ppm	mg m <sup>-3</sup>	ppm	mg m <sup>-3</sup>
<b>Hydrogen fluoride</b>	3	2.5		
Respiratory Protection:				
Hand Protection:	PVC gloves			
Eye Protection:	Goggles			
Skin Protection:	Overalls (not nylon)			

## 10. Physical & Chemical Properties

<b>Form:</b>	Liquid	<b>Colour:</b>	Near water white
<b>Odour:</b>	Odourless at room temp	<b>pH (Value)</b>	1
<b>Boiling Point</b>	90°C	<b>Melting Point</b>	Not Available
<b>Flash Point:</b>	Not Available	<b>Flammable Limits</b>	Not Available
<b>Auto Ignition Temp.</b>	Not Available	<b>Oxidising Props.</b>	Not Available
<b>Vapour Pressures</b>	Not Available	<b>Density (g/ml)</b>	Not Available
<b>Solubility (water)</b>	Soluble	<b>Solubility (other)</b>	Not Available
<b>Partition Coefficient</b>	Not Available	<b>Pour Point (Deg C)</b>	Not Available
<b>Viscosity</b>	Not Available		

## 11. Stability & Reactivity

Conditions to Avoid	Extremes of temperature
Materials to Avoid	Metals
Hazardous Reactions	Contact with chemicals such as sulphides, carbonate, cyanides and many metals can evolve toxic and flammable gases

## 12. Toxicological Information

Inhalation	May cause irritation to the upper respiratory tract
Skin Contact	May cause severe irritation and burns
Eye Contact	May cause severe irritation
Ingestion	May cause burns to the mouth, throat and stomach

## 13. Ecological Information

No information available at present

## 14. Disposal Considerations

Dispose of in accordance with Local Authority Guidelines and Regulations

## 15. Transport Information

<b>UN No:</b> 1790	<b>IMDG:</b>	<b>CAO / IATA:</b>	<b>ADR:</b>
<b>Proper Shipping Name:</b> 6% Hydrofluoric acid		<b>Marine Pollutant:</b>	

## 16. Regulatory Information

Hazardous Ingredient(s):  
 Hazard Symbol: **T, C**  
 EEC Classification: **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 the reach of children, S 7/9 Keep container tightly closed and in a well-ventilated place, 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), S36/37 Wear suitable protective clothing and gloves**

## 17. Other Information

This product is designed to be used as a SPOTTING AGENT FOR THE REMOVAL OF RUST – SHOULD BE USED BY SUITABLY EXPERIENCED OPERATIVES ONLY.

The information in this Safety Data Sheet is based upon knowledge available at the time of compilation. It is intended to describe the product only in terms of Health & Safety requirements. It does not signify any warranty with regard to specific properties or specifications.