

HEALTH & SAFETY SHEET

RUST & IRON MOULD PROTECTOR

1. Identification of Substance or Preparation Product Code: RR

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

Company Name: **Bio-Productions Ltd. Inc. Stapro**
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2. Hazards Identification

TOXIC AND CORROSIVE

3. 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:				

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.

4. 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. **Massage calcium gluconate gel into burnt area and continue until medical advice is sought.**
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

5. Fire Fighting Methods

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

6. Accidental Release Measures

Caution: Neutralise with an excess of slaked lime to form a slurry which can be washed down the drain or transferred to a suitable plastic container for disposal under Local Authority Guidelines
Small spillages flush away with water
Avoid washings entering water courses

7. 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°

8. Exposure Controls / Personal Protection

Hazardous Ingredient(s)	LTEL (8Hr TWA) ppm mg m – 3	STEL (15 mins) ppm mg m – 3
Hydrogen fluoride	3 2.5	
Respiratory Protection:	Suitable respiratory protection if required	
Hand Protection:	PVC gloves	
Eye Protection:	Goggles	
Skin Protection:	Overalls (not nylon)	

9. Physical & Chemical Properties

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

10. 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

11. 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

12. Ecological Information

No information available at present

13. Disposal Considerations

Dispose of in accordance with Local Authority Guidelines and Regulations

14. Transport Information

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

15. Regulatory Information

Hazardous Ingredients(s): EEC Classification: **Toxic & Corrosive**
Hazard Symbol: T, C 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**

16. Other Information

SPOTTING AGENT FOR THE REMOVAL OF RUST

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.