

1. PRODUCT IDENTIFICATION

Product Name: ROSTGUARD™

Product Code: RG

CAS Name and Number: Not available (mixture)

Product Description: Water based modified Acrylic co-polymer mixture for priming mild steel and galvanised iron.

2. HAZARD IDENTIFICATION



SAPMA Health Hazard Rating: 3 Slight – Minor residual effects could result from accidental exposure if no treatment is applied.

Main Hazard: Irritation on eye contact

Flammability: Non-Flammable

Chemical Hazard: Alkaline Product

Health Effects: Eyes: Can cause burning / irritation if splashed in eyes.

Skin: May irritate skin with prolonged contact.

Ingestion: May cause nausea and diarrhoea and damage to the mucous membrane.

Inhalation: Adverse health effects from vapours or spray mist in poorly ventilated areas may induce irritation of the nose, throat and respiratory tract. Irritation may cause headaches and nausea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a chemical preparation of water based styrene acrylate copolymer emulsion.

Hazard Components	CAS #	OSHA PEL	ACHIG	TWA Limits	% by WT
Ammonia	1336-21-6	35 ppm	25 ppm		< 0.5%
Acrylic Polymer	Not hazardous				
Water	7732-18-5				< 40%

4. FIRST-AID MEASURES

Product In Eyes: Flush open eyes with water for 15 minutes. Call a physician if necessary.

Inhalation: Remove to fresh air and if needed give artificial respiration of oxygen.

On Skin: Remove contaminated clothing. Wash skin with soap and water. Call a Physician if irritation persists.

Ingestion: Do not induce vomiting. Give water to drink. If necessary, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, foam, carbon dioxide, sand, etc. Product is non-flammable and will not support combustion.

Specific Hazards: May spatter if temperature exceeds boiling point. Paint films can burn, giving off oxides of carbon / nitrogen.

Protective clothing: Use numeral fire -fighting equipment and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable protective clothing, gloves and eye/face protection. Ensure adequate ventilation. Slippery conditions.

Environmental precautions: Prevent large quantities getting into waterways.

Small spills: Mop up and flush remainder away with water.

Large spills: Contain spill by dicing edges with absorbent inert materials. Transfer liquid to container. Keep all spills out of surge lakes, aquifers and any other running water supply. Dispose of in agreement with local regulations.

7. HANDLING AND STORAGE

Handling precautions: No special precautions. Normal handling care and PPE.

Storage precautions: Should be kept away from freezing temperatures. Avoid contact with micro-organisms. Keep container tightly sealed when not in use. Keep out of the sun and do not store lower than 5°C.

Suitable packaging material: Polyethylene buckets.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



SAPMA Rating: 3-H-C: Hands and Eyes

Engineering control measures: Ensure adequate ventilation. If in enclosed area, wear NIC approved respirator.

Occupational exposure limits: None known

Personal protection: Respirator: Not required for normal use.

Hands: No protection required for normal use. PVC gloves.

Eyes: Not required for normal use. Safety goggles.

Skin/Body: Use overalls and safety shoes.

Other protection: Wash hands before eating and smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Ox Blood Red Liquid
Odour:	Slightly ammonia and acrylic smell
PH:	8.00 – 9.5
Solubility in water:	Miscible
Density:	1360 – 1370 g/L
Flammability:	Non-Flammable
Boiling point:	100°C
Flash point:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not known
Decomposition temp:	Not determined
Auto ignition temp:	Not determined
VOC (g/l):	< 20

10. STABILITY AND REACTIVITY

Stability:	Stable at ambient temperatures.
Conditions to avoid:	Exposure to air will form skins on top of liquid.
Materials to avoid:	Organic solvents, acid, alkali.
Hazardous decomposition:	None known.
Hazardous polymerisation:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral toxicity (LD 50) > 5000mg/kg								
Local effects:	<table> <tr> <td>Eyes:</td><td>Burning / irritation, if splashed in eyes.</td></tr> <tr> <td>Skin:</td><td>Irritation / drying with prolonged contact.</td></tr> <tr> <td>Ingestion:</td><td>Nausea, diarrhoea and mucous damage may occur.</td></tr> <tr> <td>Inhalation:</td><td>Light headaches and possible irritation to the mucous membranes.</td></tr> </table>	Eyes:	Burning / irritation, if splashed in eyes.	Skin:	Irritation / drying with prolonged contact.	Ingestion:	Nausea, diarrhoea and mucous damage may occur.	Inhalation:	Light headaches and possible irritation to the mucous membranes.
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Ingestion:	Nausea, diarrhoea and mucous damage may occur.								
Inhalation:	Light headaches and possible irritation to the mucous membranes.								
Chronic toxicity:	None known								
Carcinogenicity:	None known								
Mutagenicity:	None known								
Reproductive hazards:	None known								

12. ECOLOGICAL INFORMATION

Biodegradability:	Liquid evaporates and solids are slowly biodegradable.
Bioaccumulation:	Unlikely to accumulate in the aquatic environment.
Aquatic toxicity – Fish:	(LD 50) > 500 mg/l
Aquatic toxicity – Algae:	(LC 50) approximately 1000 mg/l

13. DISPOSAL CONSIDERATION

Waste disposal:	Use landfill or incinerate. Obey all local, state and federal laws and regulations. Dispose of all waste directed by these agencies. Do not mix with other chemical waste. Small spills can be diluted and washed into sewers.
Packaging disposal:	Drain well and rinse thoroughly before recycling.

14. TRANSPORT INFORMATION

U.N. No.
 Substance Identity No.: None
 Classification:
 Hazardous warning: Not classified as dangerous for transportation by road, rail, sea or air.

15. REGULATORY INFORMATION

EEC Hazard classification: Not classified as dangerous
 Hazard symbols: Xi Irritant
 Risk phrases: Not required
 Safety phrases: S2: Keep out of reach of children
 S24/25: Avoid contact with skin and eyes.
 S28: After contact with skin, wash immediately with plenty soap and water.
 S62: If swallowed, do not induce vomiting.
 Seek medical advice promptly.
 National / Local Regulations: None

16. OTHER INFORMATION

Date of Issue: June 2007
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 Revision Number: 5

Note: The data and recommendations contained herein are based upon data that is considered to be accurate, however, RubberTech™ makes no warranty or guarantee, either expressed or implied, of the accuracy completeness of this data and recommendations. RubberTech™ advises the user of the product to make their own determinations as to the information suitability and completeness for the particular application.

Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists.
 CAS#: Chemical Abstract Service Number
 DGR: Dangerous goods Regulations
 DNEL: Derived No-Effect Level
 EC50: Half Maximal Effect Concentration
 EEC: European Economic Community
 EINECS: European Inventory of Existing Commercial Chemical Substances
 EU: European Union
 IATA: International Air Transport Association
 IC50: Half Maximal Inhibitory Concentration
 LC50: Lethal Concentration
 LD50: Lethal Dose, 50%
 NIOSH: National Institute for Occupational Safety and Health
 OEL: Occupational Exposure Limit

OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PNEC:	Predicted No-Effect Concentration
PPE:	Personal Protective Equipment
SAPMA:	South African Paint Manufacturers Association
STEL:	Short Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average
VOC:	Volatile Organic Compounds