



Hall's
MANUFACTURING

FERROKLEEN

MATERIAL SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Ferrokleen
Recommended Use:	Rust Cleaner
Company:	HALL'S ADHESIVES & CHEMICALS
Address:	160 VICTORIA ROAD, PIETERMARITZBURG. KZN
Telephone Number:	033 3458376
Emergency Telephone:	033 3458376

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Hydrochloric Acid	<3%
Nonionic Surfactants	<1%

3. HAZARDOUS IDENTIFICATION

Hazardous Classification:	Very Hazardous
Risk Phrase(s):	R36/37 – Irritating to eyes and respiratory system
Safety Phrase(s):	S2 – Keep out of reach of children S9 – Keep container in a well-ventilated place S25 – Avoid contact with eyes

4. FIRST AID MEASURES

Inhalation:	Remove from contaminated area. Apply artificial respiration if not breathing. Seek medical assistance.
Ingestion:	If poisoning occurs, contact a Doctor or Poisons Information Centre. If swallowed, do not induce vomiting. Give a glass of water.
Skin:	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Remove contaminated clothing. Wash clothing before reuse.
Eye:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities:	Provide eye baths and safety showers close to areas where splashing May occur.

5. FIRE FIGHTING MEASURES

Substantial Extinguishing Media:	Non-Flammable
Protective Equipment for Fire Fighters:	Full protection equipment against corrosive fumes and liquids, a self-contained breathing apparatus, should be worn.
Specific Hazards:	Non-Flammable
Hazchem Code:	4[W]E

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:
Absorb with inert material. Dispose according to municipal regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Wear chemical goggles or face shield. Wear protective clothing as necessary to avoid skin contact. Wear chemical resistant gloves. Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. This product is harmful if it is inhaled. Respirators should comply SABS Standard. Wear chemical resistant gloves.

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Conditions for Safe Storage:

Store in a cool well-ventilated area away from heat. Containers should always be kept closed in storage and properly labelled. Many plastics may be unsuitable as storage and handling materials. Store only in original or approved containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Provide sufficient ventilation to control exposure levels below the exposure standards. Use local exhaust ventilation at sources of air contamination such as open process equipment. Dangerous concentrations may exist in areas with poor ventilation such as confined spaces.

Respiratory Protection:

Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. Respirators should comply with SABS standards.

Eye Protection:

Wear chemical goggles or face shield.

Hand Protection:

Wear chemical resistant gloves.

Body Protection

Wear protective clothing as necessary to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Green/Blue liquid

Odour:

Mild Acidic Odour

Boiling Point:

101°C

Solubility in Water:

Miscible with water

Specific Gravity:

1.02g/mL

Volatile Component:

N/A

Flash Point:

N/A

Flammability:

NON-FLAMMABLE.

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal use conditions

Conditions to Avoid:

Never mix with other acids, chemicals or solvents.

Incompatible Materials:

Bleach, Chlorinated Products.

11. TOXICOLOGICAL INFORMATION

Inhalation:

Avoid breathing vapour or spray mist. Vapour concentrations are irritating to nose and throat resulting in possible headaches, dizziness, and lack of coordination, nausea and possible loss of consciousness.

Ingestion:

Harmful if ingested. Exposure to this product may result in nausea, dizziness and lack of consciousness. Vomiting may cause the product to be aspirated in the lungs possibly resulting in chemical pneumonitis.

Skin:

Avoid contact with skin. Exposure may cause the product to be absorbed into the skin promoting the potential for over-exposure.

Eye:

Avoid contact with eyes. Product may cause moderate to severe eye irritation and pronounced inflammation.

Chronic Effects:

Repeated or prolonged contact may cause irritant contact dermatitis.

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12. ECOLOGICAL INFORMATION

Ecotoxicity:

A low potential to affect aquatic organisms.
 A low potential to affect secondary waste treatment microbial metabolism.
 A low potential to affect the growth of some plant seedlings.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

Dispose according to municipal regulations
 Recycle empty containers responsibly.

14. TRANSPORT INFORMATION

Transport Information:

Handle in accordance of South African regulations for household chemicals

Proper Shipping Name:

Household Cleaning Chemical

DG Class:

0

Hazchem Code:

4[W]E

Packing Group:

III

15. REGULATORY INFORMATION

Poisons Schedule:

S6, S2, S24, S37, S46

**National and or International
 Regulatory Information:**

Classified as hazardous according to criteria of Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Packaging & Labelling:

Supplied in an appropriately safe, sealed container.

16. OTHER INFORMATION

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