

EC MATERIAL SAFETY DATA SHEET.

1. Product and Manufacturer Identification:

Trade Name: **Scale-Away**
Manufacturer: Microchem Limited
Belmont Industrial Estate
Durham
DH1 1TN
Tel: 0191 3869988
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2. Composition and Information on Ingredients

Substance Name	UN Number	EINECS	Risk phrase
Hydrochloric Acid	1789		R34 - 37
Non-ionic Surfactant	68131-39-5		R22, 41, 50
Non-classified Ingredients To 100%			

3. Hazards Identification:

Health Effects - Inhalation:
Coughing, wheezing, shortness of breath and chest pains.

Health Effects – Ingestion:
Severe burns may cause permanent damage.

Health Effects – Skin:
Severe burns.

Health Effects – Eyes
Severe burns may cause permanent damage.

Immediate Treatment/Antidote:

Following major exposure, patient should be kept under medical supervision as delayed pulmonary may develop.

4. First Aid Procedures

Skin Contact: Remove all contaminated clothing and wash before reuse.
Drench the affected skin with running water to remove all traces of product.
Wash skin with soap and water.
If large areas of skin are damaged or if irritations persists seek medical attention.

Eye Contact: Bathe the eye with running water for 10 minutes.
Obtain medical attention.

Ingestion: Do not induce vomiting. If swallowing has occurred drink plenty of water and seek medical advice immediately.
Never give anything by mouth to an unconscious person.

Inhalation: Remove casualty from exposure and allow to rest.

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5. Fire Fighting Measures

Not classed as flammable however if involved in fire may emit noxious fumes.
Extinguish with Carbon dioxide (CO₂), Dry chemical powder or Foam.
Keep containers cool by water spray.
Heating may cause pressure rise with risk of container bursting.
In serious fire it may be necessary to wear compressed air breathing apparatus.

6. Accidental Release Measures

Small Spillages:
Hose down with cold water.

Large Spillages:
Construct temporary dikes with any suitable inert material to prevent the product spreading.
Transfer to suitable containers for recovery or disposal.
Wash down remaining material with water.
Personal Precautions:
Wear appropriate protective clothing. See Section 8.
Material may create slippery conditions underfoot.

Environmental Precautions:
Try to prevent the material from entering drains or watercourses.
Advise Authorities if large spillage has entered watercourses or sewer or has contaminated soil or vegetation.

7. Handling and Storage

Handling:
Avoid contact with eyes, skin and clothing.
Keep container tightly closed when not in use.
Storage:
Store away from sources of heat or ignition.
Store in original containers as supplied by manufacturer.

8. Exposure Controls/ Personal Protection

Occupational Exposure Standards:
No occupational exposure limit listed in current editions of EH40 (UK Health and Safety Executive Threshold Limit Values) (American Conference of Governmental Industrial Hygienists.)
The following protection is recommended.

Respiratory Protection:	Not normally required.
Hand Protection:	Rubber gloves.
Body Protection:	Wear suitable Heavy Duty overalls.
Eye Protection:	Eye protection recommended.

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9. Physical and Chemical Properties

Physical State:	Non-viscous liquid
Colour:	Colourless to pale yellow fuming liquid.
Odour:	Pungent
pH Value:	Less than 1
Boiling Range/Point:	Decomposes to form a constant boiling solution 20.2% @ 110 Deg C
Melting Point:	<-29 Deg C
Flash Point:	Not combustible
Solubility in Water:	Soluble
Density (kg/m ³)	ca 1.125 at 15.5 °C
Viscosity:	N/A

10. Stability and Reactivity

Stability:

Attacks most common metals liberating hydrogen, which can form explosive mixtures with air.

Can react violently with oxidizing agents liberating chlorine.

Materials to avoid: Alkalis, concentrated sulphuric acid, oxidizing agents, ammonia, amines.

Conditions to avoid:

Protect from frost.

Do not mix with other chemicals, especially bleach as this will produce noxious gas.

Hazardous Decomposition Products:

Hydrogen Chloride.

11. Toxicological Information

Acute Toxicity:	Harmful by ingestion.
Irritation Skin:	This material is an irritant to the skin.
Irritation Eyes:	Expected to cause irritation to the eyes.

12. Ecological Information

Ecological Overview.	Not expected to cause significant environmental impact.
Mobility:	Highly volatile liquid, soluble in water, predicted to have high mobility in water.
Persistence / Degradability:	Neutralized slowly by natural alkalinity.
Bioaccumulation:	Material does not bio accumulate.
Ecotoxicity:	Fatal to fish and other aquatic life due to low pH.

13. Disposal

Product Disposal:

When disposing of waste or surplus material avoid contact with the eyes and skin. See Section 8 for personal protection equipment.

Where practical, surplus material should be recovered and recycled.

Dispose of in accordance with all applicable local and national regulations.

Seek advice from local waste authority or supplier for guidance.

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Container Disposal:

Labels should not be removed from containers unless thoroughly washed and cleaned.

Dispose of empty containers with care.

14. Transport Information

UK Road : SI No. 1789

Risk Phrases: R34-37: Causes Burns. Irritating to respiratory system.

Safety Phases: 26 – 45: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (Show label where possible).

15. Regulatory Information



Labelling Information CORROSIVE
Supply label details Ref CHIP 2
E.C. Number: 2310595-7

Risk Phrases:

R34: Causes Burns.

R37: Irritating to respiratory system.

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash plenty of water.

S25: Avoid contact with eyes.

S24: Avoid contact with skin.

S2: Keep out reach of children.

S36/37/39: Wear suitable protective clothing, gloves & eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show this label where possible).

Addition Classification Information.

This product is classified on the basis of information compiled by CESIO on the toxicological properties of surfactants.

16. Other Information

MSDS first issued	17 th March 2005
MSDS Data revised	17 th August 2006

Uses and restrictions:

Acidic de-scaler, concrete and rust remover.

Disclaimer

The information contained in this document is intended to describe the product only in terms of health & safety and environmental requirements for the purpose of its safe handling, use and disposal and is to the best of the supplier's knowledge and belief correct. It is strongly advised the customer should satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purpose and conditions of use and that their facilities and arrangements are suitable for handling or using the product. This information does not comprise a technical or performance specification for the product.