



PRODUCT SAFETY DATA SHEET

1. Identification of the Substance/Preparation & Supplier.

Product Name: Lime Away
Product Type: Descaler
Supplier: Fleetfield Chemical Co. Ltd. Unit 1, Norfolk Bridge Court, Warren St.
Sheffield, S4 7WT

Emergency information: Emergency phone number (Office hours only): 0114 2738999
Fax no: 0114 2738666

2. Hazards Identification.

Hazard designation:

Xi Irritant

Information pertaining to particular dangers for man and environment:

R36/38: Irritating to Eyes and Skin

Classification system:

The health and environmental hazards of this preparation have been assessed by the conventional method described in annex II and III of the preparations Directive 1999/45 EC.

3. Composition/Information on Ingredients.

Dangerous components:

Hazardous component:	EINECS	Cas No.	Index	Risk Phrases:	Concentration:
Sulphamic Acid	226-218-8	5329-146	Xi	R36/38, R52/53	5-10%
Methane Sulphonic Acid	200-898-6	75-75-2	C	R34	5-10%
Anionic Surfactant	293-915-8	91648-56-5	Xi	R36/38	<20%
Para-mentha-1,4 (8) -Diene	209-578-0	586-62-9	Xn	R10, R65	<1%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures.

Eye Contact: Flush with clean water for 15minutes. If irritation persists, obtain medical attention.

Skin Contact: Remove contaminated clothing and wash before re-use. Wash off with water. Obtain medical attention if irritation persists.

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Rinse mouth with water. Water to drink and rinse may be beneficial. **Do not** induce vomiting without medical advice.

5. Fire Fighting Measures:

Suitable Extinguishing Media: Foam, Dry Powder, Co2, Halon, Fine Water Spray suitable.

Unsuitable Extinguishing Media for Reasons of Safety:

Special Hazards caused by the material, its products of combustion or flue gases: Not classed as flammable. If involved in a fire, or if heated, corrosive/toxic fumes can be released. Can react with aluminium, lead, tin, magnesium or zinc to produce hydrogen gas. Can react vigorously with strong alkalis evolving heat.

Protective Equipment: Fire fighters should enter wearing breathing apparatus and full body protective clothing.

6. Accidental Release Measures.

Personal safety precautions: Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves.

Measures for environmental protection: Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

Methods for cleaning/collecting: Do not allow product to soak into drains or water courses. Small spills – may be washed away with water, avoid splashing. May be neutralised with care using dilute alkali or soda. Large spills should be contained by sand or earth and neutralised prior to washing away or absorption and disposal. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

7. Handling and Storage.

Handling:

Information for safe handling: Keep in tightly closed containers. Take note of emission threshold. Avoid contact with skin and eyes. Observe good standards of industrial hygiene.

Storage:

Requirements to be met by storerooms and containers: Store between 10-35°C.

Information about storage in a common storage facility: Store in a cool dry place away from heat or sources of combustion.

Specific Uses: To be used as a descaler.

8. Exposure Controls/Personal Protection.

Exposure limit values:

WEL's not listed for individual components

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided. Avoid breathing fumes or vapours.

Hand: PVC or rubber gloves are recommended.

Eyes: Safety eye goggles should be worn.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

Environmental exposure controls:

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

Appearance:	Red Viscous Fluid
Odour:	Citrus Perfumed
pH Neat:	1.5 - 2.5
pH @ 5% in tap water:	1.5 – 2.5 typical
Flammability:	Not flammable
Vapour Pressure:	Water = 18mm Hg
Water Solubility:	Totally Soluble
Specific Gravity @20°C:	1.080 typical
Boiling Point:	100°C

10. Stability and Reactivity.

Conditions to Avoid: Protect against naked flames, hot surfaces and other high temperature sources.

Materials to Avoid: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon, nitrogen, water vapour and unidentified organic and inorganic compounds, some of which may be toxic and corrosive may be evolved. Product is stable under normal conditions.

11. Toxicological Information.

Eyes:	Classified as an eye irritant. Contact with the eyes may give rise to irritation and stinging. No permanent damage if treated immediately.
Skin:	Classified as a skin irritant. Exposure to the skin may give rise to irritation. Prolonged and persistent contact may lead to dermatitis through skin de-fatting.
Inhalation:	Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.
Ingestion:	Not regarded as a significant health hazard, likely to arise in normal use. Ingestion of large quantities could cause nausea, breathing difficulties and acidosis convulsions and collapse.

12. Ecological Information.

Eco-toxicity: Water based acidic material. If bulk material disposal is not neutralised, toxic effects for fish & bacterium may start below pH 6, increasing with lower pH. This product is an acidic substance and a nutrient for undesirable algae. It could cause severe local damage to flora and fauna.

Mobility: The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.

Persistence and Degradability: Expected to biodegrade.

Bio-accumulative Potential: Not expected to bio-accumulate.

13. Disposal Recommendations.

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.

Discharge to drain only in compliance with the requirements of the appropriate authority. Dispose of empty containers in accordance with local and national regulations.

Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

Not classified as hazardous for transport.

15. Regulatory Information.

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (CHIP).

Hazard Symbol:



Classification:	Xi	Irritant
Risk Phrases:	R36/38:	Irritating to eyes and skin
Safety Phrases:	S2:	Keep out of reach of children
	S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S37:	Wear suitable gloves
	S24/25:	Avoid contact with skin and eyes

16. Other Information.

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2009 (CHIP 4).

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

R-phrases relevant to the products hazardous ingredients:

R10:	Flammable
R34:	Causes burns
R65:	Harmful by aspiration. May cause lung damage if swallowed
R36/38:	Irritating to eyes and skin
R52/53:	Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment

Training Advice: Users should be trained in good industrial hygiene practise.

Recommended Restrictions on Use:

Department issuing data specification sheet: Health and Safety Department

Contact: Tel 0114 2738999, E-Mail: fleetfield@btconnect.com

***Date compared to the previous version altered.**

Legal Disclaimer:

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.