

Material Safety Data Sheet

Hazardous According to the Criteria of SWA (Safe Work Australia)

1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: LIFT OFF "R"
Other Name: None
Manufacturer's Product Code: 1977.
Recommended Use: Laundry Spotter / Iron & Rust remover.
Supplier Name: CASTLE CHEMICALS
Supplier Address: 16 RURAL DRIVE
 SANDGATE NSW 2304

Telephone No.: 02 4014 5555
Fax No.: 02 4960 1686
Emergency No.: 02 4014 5555
Website: www.castlechem.com.au

2 HAZARDS IDENTIFICATION

HAZARD DESIGNATION: Hazardous According to the Criteria of SWA

RISK PHRASES: R35 – Causes severe burns.
 R41 – Risk of serious damage to eyes.

SAFETY PHRASE: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28- After contact with skin, wash immediately with plenty of water.
 S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
 S45- In case of accident or if you feel unwell, seek medical advice immediately. (Show the Label where possible)

ADG CLASSIFICATION: ADG 8 Packing Group III. UN3264 Corrosive liquid, Acidic, Inorganic N.O.S.

SUSMP CLASSIFICATION: S6

3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER:	PROPORTION (%WT)
Sulphuric acid	7664-93-9	10-30%
Ammonium Bifluoride	1341-49-7	< 10%
Surfactant	Proprietary	< 10%
Water	7732-18-5	> 60%

4 FIRST AID MEASURES

IF POISONING OCCURS, IMMEDIATELY CONTACT A DOCTOR OR POISONS INFORMATION CENTRE (TELEPHONE 13 11 26), AND FOLLOW THE ADVICE GIVEN. SHOW THIS MATERIAL SAFETY DATA SHEET TO A DOCTOR.

Inhalation: Remove from source of product and apply artificial respiration if not breathing.

Skin Contact: Remove all contaminated clothing. Wash the skin with plenty of water. Seek medical attention if discomfort continues. Launder clothing before re-use.

Eye contact: Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek medical advice.

Ingestion: Do NOT induce vomiting. Seek immediate medical advice.

First Aid Facilities: Provide an eyewash station in the workplace.

Symptoms: Not available

Medical attention:

5 FIRE FIGHTING MEASURES

Extinguishing Media:	Foam, dry chemical or water spray.
Hazards from Combustion Products:	Noxious gasses may also be liberated in extreme high heat fire conditions.
Precautions for Fire Fighters:	Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool by hosing with water.

ADDITIONAL INFORMATION:

HAZCHEM CODE: Not relevant

6 ACCIDENTAL RELEASE MEASURES

Wear appropriate safety equipment. Contain spilt material with sand or earth. Neutralise with an alkali such as soda ash. Dispose of in an approved waste disposal facility in accordance with regulations. Rinse affected area thoroughly with water.

7 HANDLING AND STORAGE

Handling:	Not expected to be a hazard, however, keep out of reach of children. Avoid contact with skin (excessive) and eyes and do not inhale spray mist.
Storage:	Store in dry cool area classified as DG. If transfer to another container becomes necessary ensure the container is clearly labelled, the container is a type suitable for the product, and is clean and free from other materials. DO NOT store near high heat sources. DO NOT store near Chlorine liberating products, or other products of incompatible classes (particularly highly alkaline materials). Keep out of reach / access of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	Not determined for the mixture.
Components:	3 ppm, 2.6 mg/m ³ peak limitation (ACGIH/NOHSC)
Hydrogen Fluoride:	3 ppm, 2.6 mg/m ³ peak limitation (ACGIH/NOHSC)
Sulphuric Acid:	1 mg/m ³ TWA; 3 mg/m ³ STEL (ACGIH/NOHSC)
Engineering Controls:	Ensure adequate ventilation, and that conditions will not arise that result in liberation of chlorine from the product. Keep container closed when not in use.

Personal Protective Equipment:

EYES:	Avoid contact with eyes. Wear goggles / faceshield.
CLOTHING:	For bulk handling, rubber apron and boots recommended.
GLOVES:	Wear neoprene or nitrile rubber gloves. For prolonged use of dilute product wear gloves.
RESPIRATORY:	Not relevant when used in well vented area.
OTHER:	Do not eat, drink or smoke until after washing. Wash thoroughly after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear thick liquid
Odour:	Pungent acidic odour
Vapour Pressure:	<1 mm Hg @ 20°C.
Vapour Density:	Not available
Boiling Point:	Not available
Freezing/melting point:	Not available
Solubility:	Soluble in Water at all concentrations.
Density:	1.18 – 1.22 @ 20 °C
pH Neat:	1.0 – 2.0
Flashpoint:	Non flammable
Flammability (explosive) limits:	Not available
Auto-ignition temperature:	Not available
Percent volatiles:	>35%
Octanol/water partition coefficient:	Not available
Formulation:	Laundry Spotter / Iron & Rust remover. .

10 STABILITY AND REACTIVITY

Chemical Stability:	Not available
Hazardous Polymerisation:	Will not occur
Conditions to avoid:	Incompatible with chlorine liberating compounds
Incompatible materials:	Incompatible with strong alkalis.
Hazardous decomposition products:	Carbon Monoxide
Hazardous reactions:	Not available

11 TOXICOLOGICAL INFORMATION

Inhalation:	Can cause severe damage to lungs, throat and nose.
Skin contact:	Can cause severe burns in concentrated form. May cause burns on skin in diluted form.
Eye contact:	Can cause severe burns, risk of serious damage to eyes.
Ingestion:	Can cause severe burns.
Other:	None

ANIMAL TOXICITY DATA – PRODUCT: No data available for the product.

ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

Acute: Oral Toxicity:	LD50 rat: Not available
Dermal Toxicity:	LD50 rabbit: not available
Inhalation Toxicity:	Not available
Skin Irritation:	Severe irritant
Eye Irritation:	Severe irritant
Sensitisation:	Not available.
Chronic:	Severe burns can be caused via bodily contact with this product.

12 ECOLOGICAL INFORMATION

Fish Toxicity:	Data not available
Daphnia Toxicity:	Data not available
Toxicity to Algae:	Data not available
Bird Toxicity:	Data not available
Bee Toxicity:	Data not available
Other:	No data available

13 DISPOSAL CONSIDERATIONS

Do not discharge neat product waste into drains. Do not incinerate. Dispose of waste material via a licensed waste disposal contractor to a regulated landfill.

14 TRANSPORT INFORMATION

UN Number:	3264
Proper Shipping Name:	Corrosive liquid, Acidic, Inorganic N.O.S.
Class and Subsidiary Risk:	8
Packing Group:	III
EPG:	8A2
Hazchem Code:	2X

15 REGULATORY INFORMATION

SUSMP Poison Schedule number: 6

Reference to National Code of Practice for the preparation of Material Safety Data Sheets 2nd Edition (NOHSC: 2011 (2003)).

16 OTHER INFORMATION

Trademark information:

Preparation information:

New product MSDS, Reason for update: New, and conversion to 16 heading format.

Data sources:

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS