

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name:	MOSS KILL
Proper Shipping Name	TOXICLIQUID,CORROSIVE,ORGANIC,N.O.S.
Recommended use:	Moss, Mould & Lichen Remover
Company Details	Marketing Chemicals Ltd
Address:	7/343 Church Street , Penrose, Auckland. New Zealand
Telephone:	+64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax:	+64 9 634 3864
Emergency Telephone:	+64 274 736008(24 hours) National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation	7 October 2008

Section 2: Hazard Identification



DANGER:

- **Toxic if swallowed.**
- **May cause allergy or asthma symptoms or breathing difficulties if inhaled.**
- **Causes severe skin burns and eye damage.**
- **Very toxic to aquatic life with long lasting effects.**

Prevention:

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
Wear protective gloves and eye/face protection.
- Avoid breathing vapours/spray.
- In case of inadequate ventilation, wear suitable respiratory protection.
- Avoid release to the environment.

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Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Quaternary Ammonium Chloride	25.0 – 60.0	63449-41-2
Non hazardous materials	Up to 100	

Section 4: First Aid Measures

Eyes:	If medical advice is needed, have product container or label at hand. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin:	Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.
Inhalation:	If breathing is difficult, remove to fresh air and keep at rest in a position, comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	Not available
Auto ignition Temperature:	Not available
Flammable Limits in Air % by Volume:	Not available
Extinguishing Media:	All
Fire Fighting Instructions:	
Unusual Fire and Explosion Hazards:	Not available

Section 6: Accidental Release Measures

Collect spillage. Do not release into waterways.

Section 7: Handling And Storage

Handling

Storage: Store locked up in the original container. Protect from physical damage. Clean up all spills immediately to prevent secondary accidents.

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Section 8: Exposure Controls/Personal Protection

Engineering Controls:	General (mechanical) room ventilation is considered satisfactory in enclosed spaces.
Eye / Face Protection:	Safety Glasses/Full face masks
Body Protection:	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
Respiratory Protection:	Avoid exposure to spray mist. Suitable respiratory protection should be worn.
Exposure Limits:	Not available

Section 9: Physical And Chemical Properties

Boiling Temperature	100 Degrees Celsius
Freeze/Melt	Not Available
Specific Gravity	1.00
Vapour Pressure	Not Available
Vapour Density	Not Available
Solubility	Completely
% Volatiles	Not Available
Evaporation Rate	Not Available
Odour	Nil
Colour	Clear

Section 10: Stability And Reactivity

Stability of the Substance:	Stable under general conditions
Conditions to avoid:	Heat
Materials to avoid:	Oxidising agents
Hazardous Decomposition Products:	
Conditions Contributing to Hazardous Polymerization	

Section 11: Toxicological Information

Inhalation:	Respiratory sensitizers
	SPECIES:
	RESULT: In acute cases pulmonary oedema resulting from aspiration, dyspnea and cyanosis due to paralysis of the respiratory muscles, bronchoconstriction, cough can occur.
	REFERENCE SOURCE: (Adelson & Sunshine, 1952; Chataigner et al., 1991; Chan 1994).

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Ingestion: SPECIES: Mouse; ENDPOINT: LD50 ;VALUE: 150 mg/kg
 REFERENCE SOURCE: Lewis, R.J. Saxs Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996. 324. ****PEER REVIEWED**** [HSDB]

Skin: SPECIES: Rat ;ENDPOINT: LD50;VALUE: 1420 mg/kg
 REFERENCE SOURCE: Lewis, R.J. Saxs Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996. 324. ****PEER REVIEWED**** [HSDB]

Eye: SPECIES:
 RESULT: Eye exposure may result in mild discomfort (0.1% solution) to very serious corneal damage (10% solution) depending on the agent and the concentration. High concentrations of benzalkonium chloride can cause ocular toxicity in human eyes
 REFERENCE SOURCE: (Reynolds, 1996). [INCHEM]

Section 12: Ecological Information

Environmental Precautions:

Ecological Toxicity: SPECIES: Scenedesmus pannonicus (Green algae)
 TYPE OF EXPOSURE: Static;DURATION: 72 hr;ENDPOINT: EC50
 VALUE: 80 ug/L (= 0.08 mg/l)
 REFERENCE SOURCE: Comparative Short-Term Research with Water-Organisms to Determine the Acute Toxicity of a Number of Biocides. Canton, J.H., and E.A.M. Mathijssen-Spiekman (1983) Rep.No.668115-001, Natl.Inst.Public Health Environ.Hyg.:6 p.(DUT) [ECOTOX]
 Biocumulative: No
 Rapidly Degradable: Yes

Environmental Risk:

Section 13: Disposal Considerations

Dispose through Licensed Disposal Company

Section 14: Transport Information



UN No: 2927
Proper Shipping Name: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.

Dangerous Goods Class: 6.1

Subsidiary risk 8

Packing Group: III

Hazchem Code: 2Z

Section 15: Regulatory Information

HSNO Approval No: HSR002595

Group Standard: Industrial and Institutional Cleaning Products (Toxic [6.1], Corrosive)

HSNO Classes: 6.1C (oral), 6.1C (dermal), 6.5A (respiratory), 6.5B(contact),
6.9B(dermal) 8.2C, 8.3A, 9.1A 9.3B

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
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Fax : +64 (09) 634 3864

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End of Safety Data Sheet.