



SAFETY DATA SHEET

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

Product Name:	Cow Mate
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, N.O.S.
Recommended use:	Degreaser/Rust Remover/Decarboniser
Company Details	EnviroChem International Ltd
Address:	41 Angle Street, Onehunga, Auckland
Telephone:	+64 9 262 0800
Fax:	+64 9 262 0802
Free Phone	0800 262 0800
Emergency Telephone:	National Poison Centre(24 hours, 7days): 0800 POISON [764 766]
Date of preparation	21 May 2014

Section 2: Hazard Identification

DANGER:

- Causes severe skin burns and eye damage.
- May be corrosive to metals.
- Harmful to aquatic life.
- Harmful in contact with skin.

HSNO Approval Number: Group Standard HSR002526.



Prevention:

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Wear protective gloves and eye/face protection.
- Avoid release to the environment

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Sodium Hydroxide	10.0 – 40	1310-73-2
Sequestering Agents/Medium Surfactants	< 10.0	9016-45-9
Water	Up to 100	7732-18-5

Section 4: First Aid Measures

Eyes:	If medical advice is needed, have product container or label at hand. Immediately call a POISON CENTER or doctor/physician. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin:	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:	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing.

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:	

Section 6: Accidental Release Measures

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal.

Section 7: Handling And Storage

Handling & Storage: Do not get in eyes or skin or on clothing. Do not breathe mist. Keep container closed. Use only with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions always add caustic to water when mixing. Never add water to a caustic when mixing. Add small amounts of product slowly and evenly over single addition, Water should not exceed 70⁰ C during addition.
Do NOT store near strong acids.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: General (mechanical) room ventilation is considered satisfactory in enclosed spaces.

Eye / Face Protection: Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye-flushing equipment immediately available.

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 breathing vapour or mist. Use NIOSH approved respiratory protection equipment appropriate to the material

Exposure Limits: Not available

Section 9: Physical And Chemical Properties

Appearance	Clear Amber Liquid
Boiling point	> 100°C
Specific Gravity @20 ⁰ C	1.16
Vapour Pressure	24mm
Vapour Density	Not available
Solubility in water	Completely
Percent Volatile	55%
Evaporation Rate	Not available

Section 10: Stability And Reactivity

Stability of the Substance: Stable under normal conditions

Conditions to avoid:

Materials to avoid: Strong acids

Hazardous Decomposition Products: Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminium. Hydrogen gas can result in explosive hazards in confined spaces.

Conditions Contributing to Hazardous Polymerization

Section 11: Toxicological Information

Eyes:

SPECIES:

RESULT: Contact with the eyes causes disintegration and sloughing of conjunctiva and corneal epithelium, corneal opacification, marked edema, and ulceration; After 7 to 13 days either gradual recovery begins, or there is progression of ulceration and corneal opacification. Complications of severe eye burns are symblepharon (adhesion of the lid to the eyeball) with overgrowth of the cornea by a vascularized membrane, progressive or recurrent corneal ulceration, and permanent corneal opacification.

Skin:

SPECIES: Rabbit; **ENDPOINT:** LD50; **VALUE:** 1350 mg/kg

REFERENCE SOURCE: Occidental Chemical Corporation Niagara Falls, NY 14302-0728 No reference. [IUCLID 2000]

SPECIES:

RESULT: Corrosive irritant.

REFERENCE SOURCE: [Lewis, R.J. Saxs Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996. 2970]**PEER REVIEWED** [HSDB]

SPECIES: Mouse; **RESULT:** Highly corrosive.

REFERENCE SOURCE: Occidental Chemical Corporation Niagara Falls, NY 14302-0728

Bromberg, B.E. et al (1965) Plast Reconstr Surg 35:85-95. [IUCLID 2000]

REMARK: EC Classification = Highly corrosive (causes severe burns).

Ingestion:

Inhalation:

Section 12: Ecological Information

SPECIES: Oncorhynchus mykiss (Fish, fresh water) ;**TYPE OF EXPOSURE:** Static; **DURATION:** 96 hr
ENDPOINT: LC50; **VALUE:** 45.4 mg/l

SPECIES: Ceriodaphnia dubia Water flea; **TYPE OF EXPOSURE:** ;**DURATION:** 48 hr
ENDPOINT: EC50 ;**VALUE:** 40.38 mg/l

SPECIES: Rabbit ; **ENDPOINT:** LD50 ; **VALUE:** 1350 mg/kg bw

Section 13: Disposal Considerations

Dispose through Licensed Disposal Company

Section 14: Transport Information



UN No: 3266
Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Dangerous Goods Class: 8
Subsidiary risk
Packing Group: III
Hazchem Code: 2X

Section 15: Regulatory Information

HSNO Approval No: HSR002526
Group Standard: Cleaning Product(Corrosive)
HSNO Classes: 6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C

Section 16: Other Information

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

For General Information: Nayyar Ghazali: +64 272729562; 0800 262 0800

EnviroChem International Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

End of Safety Data Sheet.