

Date: January 30, 2009
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Former date: New
Reviewed by: Brian Haack

1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURER

Trade name: DESCALER Product Code: 5-090129

The intended use of the product is descaling equipment.

Standard industrial classification: 2842

Manufacturer: Master Blend, Inc
5285 Fox Street Unit A
Denver, CO USA 80216
303-373-0702 Telephone

1.4.1 FOR CHEMICAL EMERGENCY OR INGESTION, CALL CHEM-TEL, INC.
(USA, Canada & U.S. Virgin Islands) 1-800-255-3924 OR INTERNATIONAL CALL COLLECT 1-813-248-0585

2. COMPOSITION/INFORMATION ON INGREDIENTS**2.1 Hazardous Ingredients**

2.1.1 CAS #	EINECS No	2.1.2 Name	2.1.3 Concentration	2.1.4 Warning, Risk phrases
Proprietary	N/A	Organic Acid	80-100%	R20/21/22, R41
Proprietary	N/A	Corrosion inhibitor	0.5-2%	R20/21/22

2.1.5 Two confidential ingredients: proprietary organic acid & corrosion inhibitor

2.1.6 Confidential components are not listed dangerous less than 1 percent each.

2.1.7 Other information: Strong acid with corrosion inhibitor.

3. HAZARDS IDENTIFICATION

Human: This product may cause irritation to eyes, skin and respiratory system. If swallowed the product may be harmful and cause irritation to mucous membranes. Avoid contact with strong bases & oxidising agents. Avoid contact with metals.

Environment: This product is unlikely to accumulate in aquatic environment.

4. FIRST AID MEASURES

Eye Contact: Flush with water for at least 15 minutes. Seek medical attention.

Skin Contact: Wash with soap and water. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If trouble with breathing persists, seek medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. Dilute with one to two glasses of water. Seek medical attention.

5. FIRE-FIGHTING MEASURES

The product is non-combustible; use suitable extinguishing media for the surrounding fire.

Self-contained breathing apparatus (SCBA) with full protective bunker gear for fire fighters.

This product is unlikely to support combustion as it is not combustible and not an oxidizer.

Exposure hazard: decomposition of product may be oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Sweep up spills for re-use or disposal. Large spills should be treated with dry absorbent and disposed at legal waste disposal site. Check local authority for proper disposal methods. Do not mix this product with other waste materials.

7. HANDLING AND STORAGE

Handle product with best business practices. Store in a cool, dry area. Keep this product stored away from food, drink and animal feeding stuffs. Do not store this product in aluminum containers. Keep out of the reach of children.

DO NOT STORE ABOVE 120°F!

Product will vent and damage packaging (and surrounding materials) when stored at higher temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values: None found

Exposure controls: Avoid contact with eyes, skin or clothing. Avoid ingesting the product as it may be harmful. Wear a dust/mist mask to avoid long term effect of breathing the material. Wear chemical impermeous gloves to protect exposure to your hands. Wear chemical safety goggles or glasses to protect your eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

The product is a clear, yellow liquid with a sweet odour.

Important health, safety and environmental information

pH	0.5
Boiling point/boiling range	>100°C (212°F)
Freezing point	<0 °C (32°F)
Flash point (TCC)	NA
Flammability (solid, gas)	NA
Explosive properties	Not explosive
Oxidising properties	Not an oxidiser
Vapour pressure	Very low
Relative density	Greater than water
Solubility	100% in water
Specific gravity	1.21
RVOC%	0.00

Other information: Contains corrosion inhibitor

10. STABILITY AND REACTIVITY

The product is stable and will not polymerise.

Avoid strong bases & oxidising agents.

Hazardous decomposition of product may be oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Sub-acute, sub-chronic and prolonged toxicity have not been determined.

12. ECOLOGICAL INFORMATION

Biodegradability:	NA
Mobility:	Soluble in water.
Bio-accumulation:	This product is unlikely to accumulate in waterways and will not accumulate in the environment. Components of the product have been determined to be toxic to fish and other organisms. No other adverse effects are known at this time.

13. DISPOSAL CONSIDERATIONS

Dispose in accord with National regulations. Do not mix waste material with other waste materials.

14. TRANSPORTATION INFORMATION

Identification	UN1760 (INTERNATIONAL ONLY)
Proper Shipping Name	Corrosive liquid, N.O.S., (Urea Monohydrochloride)
Hazard Class	8
Packing group	III
Other information	Corrosive to Aluminum Only. Non-Corrosive to Skin and Medium Steel.

US Domestic Ground shipments: NOT REGULATED.

15. REGULATORY INFORMATION

ILO:	C (Corrosive)
WHMIS:	Corrosive
Risk Phrases:	R22 - Harmful if swallowed R37/38 - Irritating to respiratory system and skin R41 - Risk of serious damage to eyes R52 - Harmful to aquatic organisms
Safety Phrases:	S2 - Keep out of the reach of children S13 - Keep away from food, drink and animal feeding stuffs S24/25 - Avoid contact with skin and eyes S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S37/39 - Wear suitable gloves and eye/face protection S62 - If swallowed do not induce vomiting: seek medical advice immediately and show this container or label

Special regulations on certain preparations:

HMIS		NFPA
2	Health	2
0	Fire	0
0	Reactivity/Instability	0
H	PPE	

16. OTHER INFORMATION

Restrictions on use: Ready to use after label dilution. This product intended for professional use only.
Further information: Call CHEM-TEL, INC. collect 1- 813-248-0582

Sources of key data used: EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379/EEC, WHMIS, NIOSH and OSHA 29 CFR Part 1910.1200.

This product contains no Prop 65 materials.

This is a new Safety Data Sheet.