

1. Identification

Product Identifier	Plaster and Stone Remover
Other means of identification	Not available
Recommended use:	Dental appliance cleaner
Recommended restrictions	None known.
Manufacturer information	maxill inc. 80 Elm Street St. Thomas, ON N5R 6C8 CA Phone: 519-631-7370 Fax: 519-531-3388 Website: maxill.com
Supplier	See above.
Emergency Response Number	ChemTel 1-800-255-3924, outside US and Canada, 1-813-248-0585 CANUTEC: 1-888-CAN-UTEC (226-8832)

2. Hazard identification

Health hazards	Serious eye damage Skin irritation Acute Toxicity Oral	Category 1 Category 2 Category 4
Label elements		
Signal word	Danger	
Hazard statements	Harmful if swallowed. Causes skin irritation. Causes serious eye damage.	
Precautionary statement		
Prevention	Wash your hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves. Wear eye protection.	
Response	IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or doctor.	
Disposal	Dispose of contents/container in accordance with all local/regional/national/international regulations.	

3. Composition/information on ingredients

Mixture

Hazardous Components	CAS number	Ingredients	Percentage
	64-02-8	Ethylenediaminetetraacetic Acid, Tetrasodium Salt (EDTA Na4), 100%	10 – 30

4. First-aid measures

Inhalation	If after inhalation you feel unwell, seek medical advice. Remove person to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention.
Eye Contact	Hold eyelids open to ensure adequate flushing. Immediately flush with clean, low-pressure water for several minutes. Immediately seek medical attention. Remove the contact lenses if worn and easy to do that.
Ingestion	Immediately call a poison center, doctor, or medical service. In case of ingestion of large quantities immediately take the exposed person to hospital. Rinse the mouth with water. DO NOT INDUCE VOMITING.
Most important symptoms/effects, acute and delayed	Skin irritation. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Keep out of reach of children

5. Fire-fighting measures

Extinguishing Media	Suitable extinguishing media for the surrounding fire should be used. The suggested appropriate media: Alcohol-type or universal-type foams. Carbon dioxide. Dry chemical. The product is not combustible.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Gas, vapors, or dust are harmful. Gas, vapors, or dust are irritating to skin and eyes. Gas, vapors, or dust can damage eyes. Toxic gases .
Combustion Products	Oxides of carbon (CO _x).
Special protective actions for fire fighters	Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment, emergency procedures	Ventilate spill area. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.
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Environmental Precautions Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Prevent contamination of soil and surface water.

Methods/materials for Containment and cleaning up Pick up and place in a suitable container for reclamation or disposal.

7. Handling and storage

Precautions for safe handling	Keep container tightly closed. Protect against physical damage. Eye wash stations and showers are recommended in areas where product is stored in large quantities. For small volume use, ensure there is a sink nearby which employees can use to flush their eyes and skin appropriately in the event of accidental exposure.
Conditions for safe storage, including any incompatibilities	Storage Temperature: > 5°C. Keep away from: Direct sunlight. Keep container tightly closed. Store in a cool, dry, well-ventilated area away from incompatible substances (See section 10). Store in original container / packaging.

8. Exposure controls/personal protection

Appropriate engineering controls	Eye wash stations and showers are recommended in areas where product is stored in large quantities. For small volume use, ensure there is a sink nearby which employees can use to flush their eyes and skin appropriately in the event of accidental exposure.
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Individual protection measures, such as personal protective equipment (PPE)

Respiratory Protection	Respiratory protection is required if the concentrations exceed the TLV. Certified self-contained breathing apparatus must be available in case of emergency.
Hand Protection	Ensure gloves are certified. Wear impermeable gloves.
Eye Protection	Wear safety goggles. In industrial plants or large production areas, ensure eye-wash stations are available. For use in small settings or offices, a procedure and training for washing eyes in a sink is recommended.
Skin Protection	Wear appropriate chemical resistant clothing.

9. Physical and Chemical Properties and safety characteristics

Physical State	Liquid
Appearance	Clear
Odour	Mild Characteristic odour
Odour threshold	Not available
pH	12.9
Melting point	Lesser than 0°C / 32°F
Boiling point	Greater than 100°C / 212°F
Flash point	Not available
Evaporation Rate	Lesser than 1 multiplier w/r/t butyl acetate
Flammability	Non-flammable
Flammability limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.13 multiplier w/r/t water

Solubility	Very soluble
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Particle characteristics	Not available

10. Stability and reactivity

Reactivity	No data available.
Chemical stability	This product is stable under ambient condition.
Possibility of hazardous reactions	The product decomposes in high temperatures and produces toxic gas or vapour.
Conditions to Avoid	Keep away from: Direct sunlight. Fire. Heat.
Incompatible materials	Avoid contact or storage with: Aluminum Materials. Strong acids. Strong bases. Strong oxidizers. Zinc materials.
Hazardous Decomposition Products	Decomposition will Result in Production of: Oxides of carbon (CO _x).

11. Toxicological information

Toxicological Information for Component

Ethylenediaminetetraacetic Acid, Tetrasodium Salt (EDTA Na₄)	LD50 Oral	1000 to 2000 mg/kg Rat
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Irritation/Corrosion Information for Component

Ethylenediaminetetraacetic Acid, Tetrasodium Salt (EDTA Na₄)	Repeated Dose Toxicity	1125 mg/kg/day NOAEL 1 month diet, Rat. 500 mg/kg/day (1%) NOAEL 90 days, Rat, Male.
	Eyes	Rabbit, Irritant
	Skin	Rabbit, weak Irritant

Sensitization	Not available
Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive toxicity	Not available
Teratogenicity	Not available
Specific target organ toxicity (single exposure)	Not available
Specific target organ toxicity (repeated exposure)	Not available

Tetrasodium ethylene diamine tetraacetate, Category 2, Route of exposure: inhalation, target organs: not determined

Aspiration hazard	Not available
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Information on the likely routes of exposure Routes of entry anticipated: oral, inhalation. Potential acute health effects: eye contact – causes serious eye irritation, inhalation – harmful if inhaled, skin contact – no known significant effects or critical hazards, ingestion – harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Eye contact – adverse symptoms may include the following: pain or irritation, watering, redness, inhalation – no specific data, skin contact – no specific data, ingestion – no specific data.

Delayed and immediate effects and chronic effects from short and long term exposure

Short term exposure – not available, long term exposure – not available

Potential chronic health effects: general – may cause damage to organs through prolonged or repeated exposure, carcinogenicity – not available.

Numerical measure of toxicity

EDTA Na₄, acute toxicity estimates: Oral ATE – 1004 mg/kg, inhalation (dusts/mists) ATE – 3.012 mg/L

Interactive effects	Not available
Where specific chemical data are not available	Not available
Mixtures / Mixtures versus ingredient information	Not available

12. Ecological Information

Ecotoxicity Values for Component

Ethylenediaminetetraacetic Acid, Tetrasodium Salt (EDTA Na4)	LC50 Environmental	490 mg/l (96h), Fish, Bluegill Sunfish. 951 mg/l (96h), Lepomis macrochirus (Bluegill).
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Persistence and degradability	Not available
Bioaccumulative potential	Not available
Mobility in soil, soil/water partition coefficient (K_{oc})	Not available
Other adverse effects	No known significant effects or critical hazards.

13. Disposal considerations

Disposal methods The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

UN Number	Not applicable.
UN Proper Shipping Name	Not available.
Transport hazard class	Not available.
Packing group	Not available.
Environment hazards	Not available.
Special precautions for user	Not available.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question Not available.

16. Other information

Disclaimer Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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