



MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: RESTORE

Uses: For cutting back scratches and blemishes on stone.

Supplier Details: Wedina Holdings Trading As: RESEARCH PRODUCTS

Address: PO Box 142 Artarmon NSW 1570

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Poisons Information Centre Telephone: 13 1126

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

Risk Classification: Xn; Harmful

Risk Phrases: R21/22: Harmful in contact with skin and if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases

S1/2 Keep locked up and out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S45 In case of accident or you feel unwell, seek medical advice immediately (show label or this MSDS whenever possible).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Oxalic Acid	16	144-62-7
Aluminium Oxide	< 30	1344-28-1
Water	> 50	7732-18-5

4. FIRST AID MEASURES

Swallowed: Causes acid burns Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. Seek immediate medical assistance. Poisons Information Centre pH 13 1126.

Eye Exposure: Immediately flush eyes with plenty of water holding eyelids open. Seek immediate medical assistance.

Skin Exposure: Remove all contaminated clothing. Wash affected area with plenty of water. Launder clothing before reuse. If skin irritation persists seek medical advice.

Inhalation: Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor. If victim is conscious, give immediately by mouth, a fine suspension in water of a non-toxic calcium compound such as calcium lactate, chalk or milk. Large amounts of calcium are required to inactivate oxalate by precipitating it as the insoluble oxalate salt.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not assigned.

Product is water based and is unlikely to play a contributing role in any fire. Heat product may give off highly irritating fumes.

Special protective precautions and equipment for fire fighters

Fire fighters should use the appropriate equipment for the surrounding fire. Breathing apparatus must be worn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment including impervious gloves and eye protection. Spilt material can create slippery conditions.

Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

Methods & Materials for Containment & Clean Up:

Contain spills immediately with inert absorbent materials (e.g. sand, earth).

Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

7. HANDLING & STORAGE

Handling:

Avoid contact with eyes and skin. Ensure eyewash is available and ready to use. Observe good personal hygiene practices. Wash hands thoroughly after handling.

Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Do not store next to strong oxidizing agents or strong alkalies. Avoid exposure to heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s): Not established for this product. Exposure standards for oxalic acid are: Oxalic acid CAS Number 144-62-7 8Hr TWA = 1mg/ m³, 15min STEL=2mg/ m³

Exposure controls:

Eye protection: Wear safety glasses.

Hand protection: Wear chemically resistant gloves.

Engineering measures: Use only in well ventilated area.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Cream
Colour:	Off white
Odour:	Odourless
pH:	1.1
Boiling point/range:	Not determined
Melting point/range:	Not determined
Flash point:	Non combustible
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Vapour pressure:	Not established
Relative vapour density:	Not established
Water solubility:	Miscible with water at all proportions
Relative density:	1.10 +/- 0.01
Viscosity, dynamic:	Not applicable
Evaporation rate:	Not established
Percent volatility:	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY & REACTIVITY

Hazardous Reactions:	Product is stable under normal conditions of use, storage and temperature. Do not store in metal containers.
Conditions to avoid:	Avoid excessive heat, high temperature and sources of ignition.
Incompatible materials:	Incompatible with oxidizing agents, acids, bases, alkalis, metals, salts of oxyhalogenic acids and ammonia.
Polymerization:	Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

No data is available for this product. Data for oxalic acid:

Oral LD50 (male rat) 475mg/kg

Skin LD50 (rabbit) 2000mg/kg

Exposure to oxalic acid can result in systemic effects including kidney damage, muscle twitching, cramps and central nervous system complications.

Health Effects – Acute

Swallowed

Harmful if swallowed. May cause irritation to mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tracts. May result in rapid absorption. Absorption may cause agitation, spasms, nausea, vomiting, cardiovascular failure and collapse through disturbed electrolyte balance.

Eyes

A severe eye irritant. Contact with eye can cause corneal burns and result in permanent injury. Prolonged contact with oxalic acid solution s can produce irreversible eye damage.

Skin

Harmful in contact with skin. Contact with skin can result in severe skin irritation and tissue damage. Danger of absorption through skin.

Inhaled

Inhalation may causes irritation to the mucus membranes, coughing and dyspnoea.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No information available for this product.

Mobility: No information available on this product.

Additional information

Environmental fate (exposure): Avoid contaminating waterways, drains and sewers.

Bioaccumulative potential: No information available for this product.

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal: Dispose of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

Hazchem Code: None allocated.

15. REGULATORY INFORMATION

Label

Classification and labelling have been performed according to regulations.

Poison Schedule S6

EPG : Non Allocated

Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR). All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

16. OTHER INFORMATION

Date of Preparation: 08/08/2008

Key to Abbreviations & Acronyms Used in MSDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees Celsius
g	Gram
g/cm ³	Grams per cubic centimetre
g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m ³	Kilograms per cubic metre
ltr	Litre
m ³	Cubic metre
mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m ³	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies MSDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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