

**STAIN BLASTER RUST REMOVER**
**Section: 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : STAIN BLASTER RUST REMOVER

Other means of identification : Not applicable.

Recommended use : Cleaning product

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab New Zealand  
2 Daniel Place  
Te Rapa, Hamilton New Zealand  
+64 7 958 2319

Emergency telephone number : 0800 243 622 (0800 CHEMCALL)

Issuing date : 09.02.2016

**Section: 2. HAZARDS IDENTIFICATION**
**HSNO Hazard classification**

Acute toxicity (Oral) : 6.1 E  
Corrosive to Metals : 8.1 A  
Skin corrosion : 8.2 C  
Serious eye damage : 8.3 A  
Ecotoxic to terrestrial vertebrates : 9.3 C

**GHS Label element**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : May be harmful if swallowed.  
Causes severe skin burns and eye damage.  
Harmful to terrestrial vertebrates.  
May be corrosive to metals.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. Keep only in original container.  
**Response:**  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Specific

# SAFETY DATA SHEET

## STAIN BLASTER RUST REMOVER

treatment (see supplemental first aid instructions on this label). Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

**Storage:**

Store locked up. Store in corrosive resistant container with a resistant inner liner.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards** : None known.

### Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration: (%)
ethanedioic acid, dihydrate	6153-56-6	5 - 10

### Section: 4. FIRST AID MEASURES

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. Apply calcium gluconate gel, if available, or milk of magnesia to affected area.

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately. If available, take several calcium antacid tablets (eg Tums) or several tablespoons of milk of magnesia.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

### Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : Exposure to decomposition products may be a hazard to health.

Hazardous combustion : Decomposition products may include the following materials:

# SAFETY DATA SHEET

## STAIN BLASTER RUST REMOVER

products Carbon oxides  
nitrogen oxides (NOx)

Special protective equipment for firefighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Hazchem Code : 2X

### Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### Emergency Management Trigger Levels

The following trigger level applies:

Emergency Plan : 10,000 L

Signage : 1,000 L

### Section: 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing.

Conditions for safe storage : Keep away from strong bases. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Storage temperature : 0 °C to 50 °C

### Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
ethanedioic acid, dihydrate	6153-56-6	WES-TWA	1 mg/m <sup>3</sup>	NZ OEL

## SAFETY DATA SHEET

### STAIN BLASTER RUST REMOVER

WES-STEL

2 mg/m<sup>3</sup>

NZ OEL

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Safety goggles  
Face-shield

Hand protection : Wear the following personal protective equipment:  
Standard glove type.  
Impervious gloves  
PVC  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

#### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : colourless  
Odour : odourless  
pH : 1.0, 100 %  
Flash point : Not applicable., Does not sustain combustion.  
Odour Threshold : no data available  
Melting point/freezing point : no data available  
Initial boiling point and boiling range : no data available  
Evaporation rate : no data available  
Flammability (solid, gas) : no data available  
Upper explosion limit : no data available  
Lower explosion limit : no data available  
Vapour pressure : no data available  
Relative vapour density : no data available  
Relative density : 1.035  
Water solubility : soluble  
Solubility in other solvents : no data available  
Partition coefficient: n- : no data available

## SAFETY DATA SHEET

### STAIN BLASTER RUST REMOVER

octanol/water

Auto-ignition temperature : no data available  
Thermal decomposition : no data available  
Viscosity, kinematic : no data available  
Explosive properties : no data available  
Oxidizing properties : no data available  
Molecular weight : no data available  
VOC : no data available

#### Section: 10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
Conditions to avoid : None known.  
Incompatible materials : Bases  
Hazardous decomposition products : Decomposition products may include the following materials:  
Carbon oxides  
nitrogen oxides (NO<sub>x</sub>)

#### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

##### Potential Health Effects

Eyes : Causes serious eye damage.  
Skin : Causes severe skin burns.  
Ingestion : Causes digestive tract burns.  
Inhalation : May be harmful if inhaled. May cause nose, throat, and lung irritation.  
Chronic Exposure : Health injuries are not known or expected under normal use.

##### Experience with human exposure

Eye contact : Redness, Pain, Corrosion  
Skin contact : Redness, Pain, Corrosion  
Ingestion : Corrosion, Abdominal pain  
Inhalation : Respiratory irritation, Cough

##### Toxicity

Acute oral toxicity : Acute toxicity estimate : 4,161 mg/kg

## SAFETY DATA SHEET

### STAIN BLASTER RUST REMOVER

Acute inhalation toxicity	: 4 h Acute toxicity estimate : > 40 mg/l
Acute dermal toxicity	: Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation	: no data available
Serious eye damage/eye irritation	: no data available
Respiratory or skin sensitization	: no data available
Carcinogenicity	: no data available
Reproductive effects	: no data available
Germ cell mutagenicity	: no data available
Teratogenicity	: no data available
STOT - single exposure	: no data available
STOT - repeated exposure	: no data available
Aspiration toxicity	: no data available

### Section: 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

#### Product

Toxicity to fish : no data available  
Toxicity to daphnia and other aquatic invertebrates : no data available  
Toxicity to algae : no data available

#### Components

Toxicity to daphnia and other aquatic invertebrates : ethanedioic acid, dihydrate  
48 h EC50 Daphnia: 137 mg/l

#### Persistence and degradability

no data available

#### Bioaccumulative potential

no data available

#### Mobility in soil

no data available

#### Other adverse effects

no data available

### Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

## SAFETY DATA SHEET

### STAIN BLASTER RUST REMOVER

an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

#### Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

##### Land transport (NZ\_DG)

UN number : 3265  
Description of the goods : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Oxalic acid)  
Class : 8  
Packing group : III  
Hazchem Code : 2X  
Environmentally hazardous : No

##### Sea transport (IMDG/IMO)

UN number : 3265  
Description of the goods : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Oxalic acid)  
Class : 8  
Packing group : III  
Marine pollutant : No  
Special precautions for user : None

#### Section: 15. REGULATORY INFORMATION

HSNO Approval Number : HSR002526  
HSNO Group Standard : Cleaning Products (Corrosive) Group Standard 2006.

**The components of this product are reported in the following inventories:**

**Switzerland. New notified substances and declared preparations :**  
Switzerland. Federal Health Agency, Giftliste 1 (Stoffe)

**United States TSCA Inventory :**  
On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**  
This product contains one or several components listed in the Canadian NDSL.

**Australia. Industrial Chemical (Notification and Assessment) Act :**  
On the inventory, or in compliance with the inventory

**New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :**  
On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory :**  
On the inventory, or in compliance with the inventory

**Japan. ISHL - Inventory of Chemical Substances (METI) :**  
not determined

## SAFETY DATA SHEET

### STAIN BLASTER RUST REMOVER

**Korea. Korean Existing Chemicals Inventory (KECI) :**  
not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**  
This product and/or component(s) are exempt or excluded from the Philippines Inventory of Chemicals and Chemical Substances (PICCS) under the Republic Act 6969 (RA 6969).

**China Inventory of Existing Chemical Substances :**  
On the inventory, or in compliance with the inventory

#### Section: 16. OTHER INFORMATION

Issuing date : 09.02.2016  
version : 1.0  
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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 a 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.