

Code	Description	Size	Colour
43995	Metalex Wood Cleaner	1Lt	Clear
43994	Metalex Wood Cleaner	4Lt	Clear

Recommended use:	Cleaning Liquid
HSNO group standard:	-
UN number, shipping name and packaging group:	1760 Compounds, cleaning liquid (Oxalic Acid)
Supplier contact details:	Holdfast NZ Ltd
	Freephone: 0800 70 10 80
	14 Avalon Drive
	Phone: (07) 847 5540
	Nawton
	Fax: (07) 847 0324
	Hamilton 3200
	Email: sales@holdfast.co.nz
	New Zealand
	Website: www.holdfast.co.nz
POISON CENTRE NUMBER: 0800 764 766 (24 hours)	

2. Hazards Identification

2.1 Hazardous Substances and New Organisms (HSNO) classification:

Classification	Hazard statement
6.1D	Acutely toxic (Oral, Dermal, Inhalation)
6.8C	Produce toxic human reproductive or developmental effects on or via lactation
6.9B	Harmful to human target organs or systems
8.1A	Corrosive to metals
8.2C	Corrosive to dermal tissue
8.3A	Corrosive to ocular tissue
9.3B	Ecotoxic to terrestrial vertebrates

2.2 Symbols:



2.3 Precautionary Statements:

Read label before use.
 Keep out of reach of children.
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 Do not spray on an open flame or other ignition source.
 Wash hands thoroughly after handling.

3. Composition/Information on Ingredients

3.1 Information on the ingredients used in the substance:

Ingredient	CAS No.	Individual HSNO classification	Concentration (%)
Ethandionic Acid, Dihydrate	144-62-7	6.1D, 6.8C, 6.9B, 8.1A, 8.2C, 8.3A, 9.3B	<10

4. First Aid Measures

4.1 Skin contact:

Immediately flush area with large amounts of water. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse.

4.2 Eye contact:

IF IN EYES: Flush immediately with large amounts of water for at least 15 minutes while holding eyelids open. Get medical attention.

4.3 Inhalation:

Remove the victim into fresh air. If affected individual develops respiratory problems seek medical assistance or consult a doctor.

4.4 Ingestion:

Immediately drink large quantities water. DO NOT induce vomiting. DO not give anything by mouth if the person is unconscious or having convulsions. Get medical attention immediately.

5. Fire-Fighting Measures

5.1 Extinguishing media:

Dry chemical, CO², and water fog

5.2 Special hazards due to combustion:

NEVER use welding or cutting torch on/or near drum (even empty) as dry residue of oxalic acid can ignite explosively. Water may be used to cool unruptured containers.

5.3 Advice for fire-fighters:

Self-contained breathing apparatus with full face-piece operated in a pressure-demand or other positive pressure mode.

5.4 Hazchem code:

No data.

6. Accidental Release Measures

6.1 Personal precautions:

Wear gloves, protective goggles and protective clothing. Maintain normal hygiene.

6.2 Environmental precautions:

Dam up the liquid spill. Use appropriate containment to avoid environmental contamination.

6.3 Methods for cleaning up:

Cover with soda ash. Mix and scoop into container of water.

6.4 Disposal:

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7. Handling and Storage

7.1 Handling:

Maintain normal hygiene.

7.2 Storage:

Store in a cool, dry place.

8. Exposure Controls/Personal Protection

8.1 Exposure limits:

CAS no.	Substance or ingredient	WES-TWA	WES-STEL
144-62-7	Ethandionic Acid, Dihydrate	-	-

8.2 Engineering Controls:

No data.

8.3 Exposure controls:

Control	Protective measure
Eye	Safety goggles with side shields when spraying or where splashing is likely.

Respiratory	None required.
Skin	Avoid skin contact. Rinse off splashes thoroughly with water.

9. Physical and Chemical Properties

9.1 General substance properties:

Property	Details
Appearance	Thick blue liquid
Odour	Fresh soap odour
pH	1
Vapour pressure	No data.
Viscosity	No data.
Boiling Point	100 °C
Volatile materials	No data.
Freezing/melting point	No data.
Solubility	Soluble in ether and ethanol.
Specific gravity/density	No data.
Flash point	No data.
Danger of explosion	No data.
Auto-ignition temperature	No data.
Upper and lower flammability limits	No data.
Corrosiveness	No data.

10. Stability and Reactivity

10.1 Stability:

Stable under normal conditions.

10.2 Conditions to avoid:

Strong alkalis.

10.3 Incompatible materials to avoid:

Contact with strong alkalis e.g., NaOH, NH₄OH, bleaching materials.

10.4 Hazardous decomposition products:

May form toxic materials as carbon monoxide, carbon dioxide, acid fumes, etc.

11. Toxicological Information

11.1 Summary of Toxicity

This product is considered harmful.

11.2 Acute toxicity:

Test	Data and symptoms of exposure
Oral	Can cause severe irritation and burns. Results in severe damage to tissue and mucous membranes including burns of the mouth, throat, stomach and entire gastrointestinal tract. May be fatal if swallowed.

Dermal	No evidence of dermal toxicity.
Inhaled	May be irritating to the nose, mouth and lungs. May cause burns to the respiratory tract which can result in shortness in breath, wheezing, choking, chest pain, and impairment of lung function.
Eye	Can cause severe irritation or burns
Skin	Can cause severe irritation, severe dermatitis, and burns.

11.3 Chronic toxicity:

Test	Data and symptoms of exposure
Sensitisation	Final product not considered a sensitiser. No constituent is considered a sensitiser.
Mutagenicity	Final product not considered mutagenic. No constituent is considered mutagenic.
Carcinogenicity	Final product not considered carcinogenic. No constituent considered carcinogenic.
Reproductive/developmental	Final product not considered a reproductive/developmental toxicant. No constituent is considered a reproductive/developmental toxicant.
Systemic/targeted organs	No effects known.

12. Ecological Information

12.1 Ecological properties

Ecology	Ecological data
Aquatic ecotoxicity	No data.
Soil ecotoxicity	No data.
Terrestrial vertebrate	No data.
Terrestrial invertebrate	No data.
Mobility	No data.
Degradability	No data.

13. Disposal Considerations

13.1 Disposal methods:

For disposal guidance of unused amount contact your household refuse collection service or local or state government environmental control agency.

13.2 Disposal restrictions:

No data.

13.3 Special precautions for disposal:

No data.

14. Transport Information

14.1 Dangerous goods transport information:

Identification	Details	Identification	Details
UN number	1760	Proper shipping name	Compounds, cleaning liquid (Oxalic Acid)
UN class	8	Subsidiary risk	No data.
UN packing group	III	Hazchem code	No data.

14.2 Transport provisions by land according to the Standard for the Transport of Dangerous Goods on Land (NZS 5433):

Special provision codes 190, 327, 344, 625. When using combination packages do not pack more than 1 L per inner packaging for liquids. Packages should be ≤30 kg.

14.3 Transport provisions by sea according to the International Maritime Dangerous Goods (IMDG) code:

Special provision codes 190, 327, 344, 625. When using combination packages do not pack more than 1 L per inner packaging for liquids. Packages should be ≤30 kg.

14.4 Transport provisions by air according to International Civil Aviation Organization (ICAO) Technical Instructions:

Special provision codes A145, A167, A802. Packages should be ≤30 kg.

15. Regulatory Information**15.1 HSNO approval number and Group Standard:**

No data

15.2 Group Standard conditions and other regulations:

Condition	Requirement
MSDS	Safety data sheet must be available to a person handling the substance within 10 minutes.
Labelling	Never remove or deface label.
Emergency plan	Required when storing >3,000 L.
Approved handler	Required when storing >3,000 L.
Tracking	Not required.
Bunding and secondary containment	Required when storing >3,000 L.
Signage	Required when storing >3,000 L.
Test certificate	Required when storing >3,000 L.
Flammable zone	Required when storing >3,000 L.
Fire extinguisher	Required when storing >3,000 L.

16. Other Information**16.1 Date of preparation or revision:**

Revised 23rd July 2013. Updated format.

16.2 Abbreviations:

Abbreviation	Description
CAS number	Number assigned to chemical in the Chemical Abstracts Service registry
HAZCHEM code	Code used by fire-fighters to determine correct method of action in the case of fire
HSNO	Hazardous Substances and New Organisms (Act)
ICAO Technical Instructions	International Civil Aviation Organization Technical Instructions
IMDG code	International Maritime Dangerous Goods code controlled by the International Maritime Organization (IMO)
LC ₅₀	Lethal concentration 50% - concentration fatal to 50% of the tested population
LD ₅₀	Lethal dose 50% - dose fatal to 50% of the tested population
NZS 5433	New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)
SDS	Safety data sheet

STEL	Short term exposure limit
TWA	Time weighted average (typically measured as 8 hours)
UN number	United nations number
WES	Workplace exposure standard

16.3 References

Chemical properties and HSNO classifications derived from the New Zealand chemical classification information database (CCID). www.epa.govt.nz.

Workplace exposure limits derived from Workplace Exposure Standards and Biological Exposure Indices 7th Edition. www.mbie.govt.nz.

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