Safety Data Sheet

Revised: 4/11/2025

1). IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name:	Deck & Wood Brightener Part 2
CAS-No.:	6153-56-6
EINECS:	205-634-3
Formula:	C2O4H2•2H2O
Molecular Weight:	126.07 g/mol

Distributed by:	DeckWise®, The Ipe Clip® Fastener Co. LLC
Address:	2111 58th Ave. East Bradenton, FL 34203
Telephone:	1-866-427-2547
Emergency Telephone	CHEMTEL (US): 1-800-255-3924

1.2 Relevant identified uses of the substance or mixture and uses advised against

Oxalic acid is best known as an agent in wood bleaching. Oxalic acid also is a popular cleaning agent. Oxalic acid can be used to remove rust stains from kitchen counter tops, plumbing pipes and even fabric. It's also used in the treatment of wastewater, because oxalic acid helps remove calcium from water. It even can be used as a reducing agent for photography. 1.3 Details of the supplier of the safety data sheet

Company:	DeckWise®, The Ipe Clip® Fastener Co. LLC
Address:	2111 58th Ave. East Bradenton, FL 34203
Telephone:	1-866-427-2547
1.4 Emergency telephone number	CHEMTEL (US): 1-800-255-3924

2). HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity cat 4 oral and dermal

Eye Damage 1

2.2 Label elements

Pictogram



Signal word	Danger
Hazard statement(s)	
H302	Harmful if swallowed
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
Precautionary statement(s)	
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/physician.
P330	Rinse mouth.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container to hazardous waste collection point. 2.3 Other hazards-none

3). COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance
Main constituent
Name: Oxalic acid dihydrate
CAS: 6153-56-6
EINECS: 205-634-3
Concentration: ≥99.6%
Impurities
Name: Water:
Concentration: <0.4%

4). FIRST AID MEASURES

4.1 Description of first aid measures
General advice
In case of loss of consciousness, never provide drink or induce vomiting.
Following inhalation
Move source of dust or move person to fresh air and rest.
Following skin contact
Carefully and gently brush the contaminated body surfaces in order to remove all traces of product for at Least 15 minutes. Wash affected area immediately with plenty of water. Remove contaminated clothing. If necessary seek medical advice.
Following eye contact
Rinse eyes immediately with plenty of water for at least 15 minutes and seek medical advice.
After ingestion
Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. 4.2 Most important symptoms and effects, both acute and delayed Prolonged or repeated skin contact may cause dermatitis. If inhaled can cause a burning sensation of nose and throat, coughing, shortness of breath, sore throat, symptoms of immediate effects.
4.3 Indication of any immediate medical attention and special treatment needed no data available

5). FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture
Keep away from sources of ignition. In case of fire toxic fumes may form CO, CO2.
5.3 Advice for firefighters
The firefighting equipment must use individual breathing equipment. In case of fire keep drums cool by spraying with water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.4 Further information no data available

6). ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
6.1.1 For non-emergency personnel
Ensure adequate ventilation.
Keep dust levels to a minimum.
Keep unprotected persons away.
Avoid contact with skin, eyes, and clothing – wear suitable protective equipment (see section 8). Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment issued, wear suitable protective equipment (see section 8).
6.1.2 For emergency responders
Keep dust levels to a minimum.
Ensure adequate ventilation.
Keep unprotected persons away.
Avoid contact with skin, eyes, and clothing – wear suitable protective equipment (see section 8). Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment issued, wear suitable protective equipment (see section 8).
6.2 Environmental precautions
Contain the spillage.
Keep the material dry if possible.
Cover area if possible, to avoid unnecessary dust hazard. Avoid uncontrolled spills to watercourses and drains. Any large spillage into watercourses must be alerted to the Environment Agency or other regulatory body.
6.3 Methods and materials for containment and cleaning up
Collect up dry and deposit in waste containers for later disposal according to regulations. Wipe off with water. (Extra personal protection: P2 filter respirator for harmful particles).
6.4 Reference to other sections
For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 and the annex of this safety data sheet

7). HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wear protective equipment (refer to section 8 of this safety data sheet). Do not wear contact lenses when handling this product. Keep dust levels to a minimum. Minimize dust generation. Enclose dust sources, use exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

The substance should be stored under dry conditions. Recipients tightly closed. Room temperature. Separated from strong bases, oxidizing materials, food and feed.

7.3 Specific end use(s)

Please check the identified uses in table 1 of the Appendix of this SDS.

For more information, please see the relevant exposure scenario, available via your supplier/given in the Appendix.

8). EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

OEL (TWA): 1 mg/m3 (ACGIH 1990-1991).

OEL (como STEL): 2 mg/m3 (ACGIH 1990-1991).

DNEL for workers:

Systemic effects - long term: DNEL (derived not effect level) dermal: 0.882 mg / kg bw / day

Systemic effects - long term: DNEL (derived not effect level) inhalation: 3.11 mg / m³

DNEL for the general population:

Systemic effects - long term: DNEL (derived not effect level) Dermal: 0.315 mg / kg bw / day

Systemic effects - long term: DNEL (derived not effect level) Oral: 0.315 mg / kg bw / day

Systemic effects - long term: DNEL (derived not effect level) Inhalation: 0.466 mg / m³

PNEC water (freshwater): 0.16 mg / L

PNEC water (sea water): 0.016 mg / L

PNEC STP: 1550 mg / L

8.2 Exposure controls

To control potential exposures, generation of dust should be avoided. Further, appropriate protective equipment is recommended. Eye protection equipment (e.g. goggles or visors) must be worn, unless potential contact with the eye can be excluded by the nature and type of application (i.e. closed process). Additionally, face protection, protective clothing and safety shoes are required to be worn as appropriate. Please check the relevant exposure scenario, given in the Appendix/available via your supplier.

8.2.1 Appropriate engineering controls

If user operations generate dust, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne dust levels below recommended exposure limits.

8.2.2 Personal protective equipment

Eye/face protection

Do not wear contact lenses. Tight fitting goggles with side shields, or wide vision full goggles.

Skin protection

Dermal exposure should be minimized to the extent technically feasible. Wear suitable gloves (nitrile, neoprene, natural rubber, poly-vinyl), standard work clothes, long pants, long sleeves, coveralls, closing with accessories and shoes openings resistant to corrosive chemicals and prevent penetration of dust.

Respiratory protection
Local ventilation to keep levels below established threshold values is recommended. A suitable particle filter mask is recommended, depending on the expected exposure levels - please check the relevant exposure scenario, given in the Appendix/available via your supplier.
Thermal hazards
The substance does not represent a thermal hazard, thus special consideration is not required.
8.2.3 Environmental exposure controls
Avoid releasing to the environment. Contain the spillage. Any large spillage into watercourses must be alerted to the regulatory authority responsible for environmental protection or other regulatory body.
For detailed explanations of the risk management measures that adequately control exposure of the environment to the substance please check the relevant exposure scenario, available via your supplier.
For further detailed information, please check the Appendix of this SDS.

9). PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	uncoloured crystals or white powder
b) Odour	odourless
c) Odour	Threshold no data available
d) pH	~0,7(50g/l)
e) Melting point/freezing point	not applicable (sublimes at > 160 °C)
f) Initial boiling point and boiling range	not applicable (sublimes at > 160 °C)
g) Flash point	not applicable
h) Evaporation rate	not applicable
i) Flammability (solid, gas)	non flammable (study result, EU A.10 method)
j) Upper/lower flammability or explosive limits	non explosive (void of any chemical structures commonly associated with explosive properties)
k) Vapour pressure	0.0312 Pa at 25ºC
l) Vapour density	not applicable
m) Relative density	0.813 (study result, EU A.3 method)
n) Water solubility	108 g/L at 25ºC (study results)
o) Partition coefficient n-octanol/ water	- 1.7 at 23ºC (study result, OECD Guideline 107)
p) Autoignition temperature	no relative self-ignition temperature below 400 °C(study result, EU A.16 method)
q) Decomposition temperature	> 160 ºC
r) Viscosity	not applicable
s) Explosive properties	no data available
t) Oxidizing properties	no oxidizing properties
9.2 Other safety information	no data available

10). STABILITY AND REACTIVITY

10.1 Reactivity
On contact with hot surfaces or flames this substance decomposes forming formic acid and carbon monoxide. The solution in water is a medium strong acid.
10.2 Chemical stability
Under normal conditions of use and storage, oxalic acid is stable.
10.3 Possibility of hazardous reactions
Reacts violently with strong oxidants causing fire and explosion hazard. Reacts with some silver compounds to form explosive silver oxalate. Attacks some forms of plastic.
10.4 Conditions to avoid
Minimize exposure to air and moisture to avoid degradation.
10.5 Incompatible materials
Alkaline solutions. Ammonia. Halogenates. Oxidizing agents. Metals. Water. / Heat.
10.6 Hazardous decomposition products
Formic acid. Carbon dioxide. Carbon monoxide.

11). TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
LD50 Oral - Rat - 1,080 mg/kg
Inhalation: No data available No
data available
Skin corrosion/irritation
Skin - Rabbit
Result: Mild skin irritation Serious
eye damage/eye irritation Eyes -
Rabbit
Result: Risk of serious damage to eyes. (OECD Test Guideline 405) Respiratory
or skin sensitization
No data available Germ
cell mutagenicity
Result: Not mutagenic in Ames Test
Histidine reversion (Ames) Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1%is identified as
probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1%is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1%is identified as a
known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1%is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
Possible risk of congenital malformation in the fetus.
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available
Additional Information
RTECS: Not available
Effects due to ingestion may include:, Nausea, Vomiting, Local irritation Inhalation may provoke the following symptoms:, Cough, Shortness of breath Kidney injury may occur., Cardiovascular effects.
Stomach - Irregularities - Based on Human Evidence

12). ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	LC50 - Leuciscus idus (Golden orfe) - 160 mg/l - 48 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 137 mg/l - 48 h

12.2 Persistence and degradability
no data available
12.3 Bioaccumulative potential
no data available
12.4 Mobility in soil
no data available
12.5 Results of PBT and vPvB assessment
no data available
12.6 Other adverse effects
no data available

13). DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging
Dispose of as unused product.

14). TRANSPORTATION INFORMATION

DOT (US)
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

15). REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
TSCA: substance is listed active.
15.2 Chemical Safety Assessment
A chemical safety assessment has been carried out for this substance.

16). OTHER INFORMATION

16.1 Recommended Restrictions
For use by trained professionals, having read the complete SDS.

End of the Safety Data Sheet