



SAFETY DATA SHEET (91/155/EC)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

* Product name:
WOOD BLEACHER

* Supplier:
LIBERON
Mountfield Ind Est
New Romney
Kent, TN28 8XU
Tel: 0044 (0)1797 367555
Fax: 0044 (0)1797 367575

* Emergency phone number (to be used by the practising doctor):
UK - National Poisons Information Service Phone: 44 / 191 22 5131

2. COMPOSITION/INFORMATION ON INGREDIENTS

* Preparation name:
WOOD BLEACHER

* Description of the preparation:

Aqueous solution of: acidic and alcohols

* Component(s) contributing to the health hazard:
oxalic acid
A 1 NR: 607-006-00-8 CAS NR: 144-62-7 EC NR: 205-634-3
Conc. (weight %): < à 15% - Symbol(s): Xn - R: 21/22
TLV TWA mg: 1.00000 *
TLV STEL mg: 2.000 *

3. HAZARDS IDENTIFICATION

* Most important hazards:

Flammable.

Vapour / air mixture is flammable.

Form with air vapours / fumes (heavier than air) who stay on the floor.

Irritating to eyes and skin.

May cause burns.

* Specific hazards:
Repeated and prolonged exposure may cause skin irritation and dermatitis due to degreasing properties of the product.
Affects many plastics.

4. FIRST AID MEASURES

* General advice:

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
For symptom description, see item 11.

* Inhalation:

Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.
Artificial respiration and/or oxygen if necessary.

* Skin contact:

Take off contaminated clothes, wash skin with plenty of water or have a shower (for a minimum of 15 minutes) and if necessary take medical advice.
Rinse with plenty of water.
If skin irritation persists, take medical advice.

* Eye contact:

Wash with plenty of water (20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

* Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest.
Do NOT induce vomiting.
Rinse mouth, do not drink anything, keep quiet, and go immediately to hospital or to a doctor.

5. FIRE-FIGHTING MEASURES

* Suitable extinguishing media:

dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂), water spray, sand, earth.

* Extinguishing media which must NOT be used for safety reasons:
Do not use a solid water stream as it may scatter and spread fire.

* Specific method(s):

Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

* Specific fire hazard(s):

Explosion risks of vapours.
Vapours are heavier than air and spread above ground.
In case of fire, product decomposes in: carbon oxides (CO and CO₂) and smokes.
Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.

* Special protective equipment for fire-fighters:

Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

* Personal precaution(s):

Evacuate personnel to a safe area.
Remove all sources of ignition.

Be careful to flashback of fire.
Ensure adequate ventilation.
Avoid contact with skin, eyes, or clothing.
Concerning personal protective equipment to use, see item 8.

* Environmental precaution(s):

Stop leak without risks if possible.
Contain spillage.
Do not allow surface water to enter drains and sewers as this will create a potentially explosive hazard. If this occurs inform local authorities immediately.
Do not allow material to contaminate ground water system.
Concerning disposal elimination after cleaning, see item 13.

* Method(s) for cleaning up:

Scoop or vacuum spilled material rapidly in a suitable container with an explosion proof pump or a hand pump.
Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).
Shovel into suitable and closed container for disposal.
Dispose as hazardous waste.

7. HANDLING AND STORAGE

* Handling

* - Precaution(s):

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air.
Avoid all eyes and skin contact and do not breathe vapour and mist.
Do not eat, drink and do not smoke in areas where product is used.
Shower, eyes shower and water point in proximity.
Wear personal protective equipment (see item 8).

* - Technical condition(s):

Explosion-free electrical equipment and lighting with earth.
Do not use compressed air to fill, handle or work up.
Avoid static electricity discharges.
Ventilation along floor.

* - Safe handling advice(s):

Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.
Opened containers must be carefully closed and kept upright to avoid leakage.

* Storage

* - Precaution(s):

Store in a place accessible by authorised persons only.
Keep container tightly closed in a cool place.

* - Technical condition(s):

Not flammable and waterproof underground retention basin.

* - Storage condition(s):

Keep container tightly closed and at a temperature not exceeding (°C): 45 °C
Keep away from sources of ignition - No smoking.
Store away from direct sunlight or other heat sources.
Store in a well-ventilated place.

* - Separation of incompatible product(s):
Keep away from: strong bases and oxidising compounds.

* - Packaging / tank material:
polyethylene (high density)

* - Unsuitable packaging materials:
Avoid certain plastics which are soluble in the product.
Rubbers
Aluminium

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

* Engineering measure(s):
Ensure adequate ventilation, especially in confined areas.

* Control parameter(s):

* Personal protection equipment:

* - Respiratory protection:
In case of insufficient ventilation wear suitable respiratory equipment.
(breathing apparatus with filter A Organic Vapour)

* - Hand protection:
nitrile rubber gloves
neoprene gloves

* - Skin and body protection:
solvent-resistant apron and boots
long sleeved protective clothing

* - Eye protection:
Wear closed safety glasses. or face shield

* Hygiene measure(s):
Do not eat, drink, or smoke during work.
Keep away from food, drink and animal feed.
Keep workplace clean and tidy as much as possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state / form: liquid
Colour: colourless
Odour: characteristic
pH: < 3
Boiling point/range: 78°C
Flash point: 48°C
Explosion limits: Not determined.
Relative density (water = 1): 0.9522
Viscosity: Not determined.
Water solubility: completely soluble
Fat solubility: immiscible
Solvent solubility: soluble in some specific organic solvents

10. STABILITY AND REACTIVITY

* Stability:
Stable in use and storage conditions as recommended in item 7.

* Condition(s) to avoid:

Do not expose at temperatures above 45°C

* Material(s) to avoid:

Avoid certain plastics which are soluble in the product.

Reacts violently with: strong bases, oxidising compounds, aldehydes.

* Hazardous decomposition products:

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

11. TOXICOLOGICAL INFORMATION

* General information(s):

There is no data available on the product itself.

Periodical medical test is recommended to check for any effects from repeated exposure.

* Acute toxicity

* - Inhalation:

Irritating to the respiratory system, may cause throat pain and cough.

Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest.

* - Skin contact:

Components of the product may be absorbed into the body through the skin.

Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis.

* - Eye contact:

Liquid splashes in the eye may cause irritation. (pain, redness) serious damage to eyes.

* - Ingestion:

May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Susceptible to induce: oedema of the lungs, heavy breathing difficulty, dizziness.

* Sensitisation:

May cause sensitisation by inhalation and skin contact

12. ECOLOGICAL INFORMATION

* General information(s):

There is no data available on the product itself.

* Persistence and degradability:

Product has only a limited biodegradability in soil and water.

* Bioaccumulation:

None bioaccumulation.

* Environmental toxicity:

May be dangerous for environment.

13. DISPOSAL CONSIDERATIONS

* Waste / unused products:

Collect all waste in suitable and labelled containers and dispose according

to local legislation.
Can be recycled.
Do not dispose of waste into sewer.
Destruction by incineration / pyrolyse.

* Contaminated packaging:

This container is specially dedicated to this product.
Container remains hazardous when empty. Continue to observe all precautions.
Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. TRANSPORT INFORMATION

General information(s):

Transport followed ADR, IMDG, IATA
UN No. 1263
Land (Road / Railway: ADR/RID)
- item and letter: 3.31 c
Sea (IMDG)
- IMO class: 3.3

15. REGULATORY INFORMATION

* Labelling:

According to European directives on classification, packaging and labelling of dangerous substances

* EC number: Not applicable.

Symbol(s): Xn - Harmful

Contains:

oxalic acid

R-phrases(s):

R : 10

Flammable.

R : 20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

S-phrases(s):

S : 2

Keep out of the reach of children.

S : 13

Keep away from food, drink and animal feedingstuffs.

S : 29

Do not empty into drains.

S : 36/37

Wear suitable protective clothing and gloves.

S : 46

If swallowed, seek medical advice immediately and show this container or label.

S : 51

Use only in well-ventilated areas.

16. OTHER INFORMATION

* According legislation(s):

This safety data sheet is in compliance with EC directives and adaptations no.: 91 / 155

* Important remarks:

Information in this safety data sheet is based on actual knowledge in our possession and our experience.

It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.

No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.

* Restrictions:

This information relates to the specific material designated and may not be valid in combination with other product(s).

* History

- First edition date: 20/07/1998

- Version: 1

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