

WE MAKE  
CHEMISTRY  
WORK**WOOD RENOVATOR**Version number: GHS 5.0  
Replaces version of: 2023-04-18 (GHS 4)

Revision: 2023-06-30

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name **Wood Renovator**  
Alternative number(s) 57330**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses Cleaning agent

**1.3 Details of the supplier of the safety data sheet**Mavro International BV  
Heksekamp 1  
5301 LX Zaltbommel  
NetherlandsTelephone: +31 418 680 680  
e-mail: [info@mavro-int.com](mailto:info@mavro-int.com)  
Website: <https://www.mavro-int.com>**1.4 Emergency telephone number**Emergency information service +31 418 680 680  
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

| Poison centre  |  |                      |               |         |                               |
|----------------|--|----------------------|---------------|---------|-------------------------------|
| Country        | Name   | Postal code/<br>city | Telephone     | Telefax | Opening hours                 |
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital |                      | 0344 892 0111 |         | Mon - Fri 12:00 AM - 12:00 AM |

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification acc. to GHS

| Section | Hazard class                      | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| 3.2     | skin corrosion/irritation         | 1        | Skin Corr. 1              | H314             |
| 3.3     | serious eye damage/eye irritation | 1        | Eye Dam. 1                | H318             |

For full text of abbreviations: see SECTION 16.

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### The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

## 2.2 Label elements

### Labelling

- Signal word danger

- Pictograms

GHS05



- Hazard statements

H314 Causes severe skin burns and eye damage.

- Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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.

P501 Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling Oxalic acid, 2-propylheptanoethoxylate

## 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

### Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .



## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures


#### Description of the mixture

| Name of substance | Identifier  | Wt%      | Classification acc. to GHS                                      | Pictograms  |
|-------------------|---|----------|---|---|
| Oxalic acid       | CAS No<br>6153-56-6<br>144-62-7<br><br>EC No<br>205-634-3 | 5 - < 10 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H312<br>Eye Dam. 1 / H318 |   |

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| Name of substance          | Identifier                                      | Wt%     | Classification acc. to GHS | Pictograms  |
|----------------------------|---|---------|----------------------------|---|
| 2-propylheptanoeth-oxylate | CAS No<br>160875-66-1<br><br>EC No<br>605-233-7 | 1 – < 5 | Eye Dam. 1 / H318          |  |

| Name of substance          | Specific Conc. Limits | M-Factors | ATE                                     | Exposure route                       |
|----------------------------|-----------------------|-----------|---|--------------------------------------|
| Oxalic acid                | -                     | -         | 500 mg/kg<br>1,100 mg/kg                | oral<br>dermal                       |
| 2-propylheptanoeth-oxylate | -                     | -         | 2,000 mg/kg<br>2,000 mg/kg<br>10 mg//4h | oral<br>dermal<br>inhalation: vapour |

For full text of abbreviations: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

##### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

##### Following skin contact

Wash with plenty of soap and water.

##### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

##### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

#### 4.3 Indication of any immediate medical attention and special treatment needed

none

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

##### Unsuitable extinguishing media

Water jet

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**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Remove persons to safety.

**For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

**6.2 Environmental precautions**

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

**6.3 Methods and material for containment and cleaning up****Advice on how to contain a spill**

Covering of drains

**Advice on how to clean up a spill**

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

**Appropriate containment techniques**

Neutralisation techniques. Use of adsorbent materials.

**Other information relating to spills and releases**

Place in appropriate containers for disposal. Ventilate affected area.

**6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Recommendations****- Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Use only in well-ventilated areas.

**- Handling of incompatible substances or mixtures**

Do not mix with alkali.

**- Keep away from**

Caustic solutions

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### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feed-stuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Control of effects

#### Protect against external exposure, such as

frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) |               |          |            |           |                          |            |                           |                 |                                |          |            |
|--|---------------|----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|------------|
| Country  | Name of agent | CAS No   | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source     |
| EU   | oxalic acid   | 144-62-7 | IOELV      |           | 1                        |            |                           |                 |                                |          | 2006/15/EC |
| GB   | oxalic acid   | 144-62-7 | WEL        |           | 1                        |            | 2                         |                 |                                |          | EH40/2005  |

#### Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur  
STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)  
TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Relevant DNELs of components of the mixture |                       |          |                        |                                    |                   |                            |
|---|-----------------------|----------|------------------------|------------------------------------|-------------------|----------------------------|
| Name of substance                           | CAS No                | Endpoint | Threshold level        | Protection goal, route of exposure | Used in           | Exposure time              |
| Oxalic acid                                 | 6153-56-6<br>144-62-7 | DNEL     | 3.11 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Oxalic acid                                 | 6153-56-6<br>144-62-7 | DNEL     | 0.882 mg/kg bw/day     | human, dermal                      | worker (industry) | chronic - systemic effects |

| Relevant PNECs of components of the mixture |                       |          |                 |                   |                              |                              |
|---|-----------------------|----------|-----------------|-------------------|------------------------------|------------------------------|
| Name of substance                           | CAS No                | Endpoint | Threshold level | Organism          | Environmental compartment    | Exposure time                |
| Oxalic acid                                 | 6153-56-6<br>144-62-7 | PNEC     | 0.16 mg/l       | aquatic organisms | freshwater                   | short-term (single instance) |
| Oxalic acid                                 | 6153-56-6<br>144-62-7 | PNEC     | 0.016 mg/l      | aquatic organisms | marine water                 | short-term (single instance) |
| Oxalic acid                                 | 6153-56-6<br>144-62-7 | PNEC     | 1,550 mg/l      | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |

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### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Skin protection

###### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

###### - Type of material

Nitrile

###### - Material thickness

>0,12mm

###### - Breakthrough times of the glove material

>480 minutes (permeation: level 6)

###### - Other protection measures

Wash hands thoroughly after handling.

##### Body protection

Protective clothing against liquid chemicals.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                 |
|--|-----------------|
| Physical state   | liquid (gel)    |
| Colour   | colourless      |
| Odour  | acidic          |
| Melting point/freezing point                             | not determined  |
| Boiling point or initial boiling point and boiling range | 100 °C          |
| Flammability   | non-combustible |
| Lower and upper explosion limit                          | not determined  |
| Flash point  | not determined  |
| Auto-ignition temperature                                | not determined  |

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|                           |                |
|---------------------------|----------------|
| Decomposition temperature | not relevant   |
| pH (value)                | 1 (acid)       |
| Kinematic viscosity       | not determined |

### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

### Partition coefficient

|   |                                   |
|---|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---|-----------------------------------|

|                 |                |
|-----------------|----------------|
| Vapour pressure | not determined |
|-----------------|----------------|

### Density and/or relative density

|                         |   |
|-------------------------|---|
| Density                 | not determined                                |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

## 9.2 Other information

|  |   |
|--|---|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|--|---|

### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Bases, Oxidisers

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Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

##### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed.

| Acute toxicity estimate (ATE) of components of the mixture |                       |                    |             |
|--|-----------------------|--------------------|-------------|
| Name of substance  | CAS No                | Exposure route     | ATE         |
| Oxalic acid  | 6153-56-6<br>144-62-7 | oral               | 500 mg/kg   |
| Oxalic acid  | 6153-56-6<br>144-62-7 | dermal             | 1,100 mg/kg |
| 2-propylheptanoethoxylate                                  | 160875-66-1           | oral               | 2,000 mg/kg |
| 2-propylheptanoethoxylate                                  | 160875-66-1           | dermal             | 2,000 mg/kg |
| 2-propylheptanoethoxylate                                  | 160875-66-1           | inhalation: vapour | 10 mg/l/4h  |

##### Skin corrosion/irritation

Causes severe skin burns and eye damage.

##### Serious eye damage/eye irritation

Causes serious eye damage.

##### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).



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**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

**11.2 Information on other hazards**

There is no additional information.

**SECTION 12: Ecological information****12.1 Toxicity**

Shall not be classified as hazardous to the aquatic environment.

**12.2 Persistence and degradability****Biodegradation**

The relevant substances of the mixture are readily biodegradable.

**12.3 Bioaccumulative potential**

Data are not available.

**12.4 Mobility in soil**

Data are not available.

**12.5 Results of PBT and vPvB assessment**

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

**12.6 Endocrine disrupting properties**

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .

**12.7 Other adverse effects**

Data are not available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste treatment-relevant information**

Regeneration of acids.

**Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packagings**

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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### SECTION 14: Transport information

- |   |   |
|---|---|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant  |
| <b>14.3 Transport hazard class(es)</b>                              | none  |
| <b>14.4 Packing group</b>   | not assigned  |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

#### Information for each of the UN Model Regulations

##### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

##### **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Relevant provisions of the European Union (EU)**

##### **Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**

none of the ingredients are listed

##### **Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

none of the ingredients are listed

##### **Water Framework Directive (WFD)**

none of the ingredients are listed

##### **Regulation on detergents**

| Labelling of contents |                             |
|-----------------------|-----------------------------|
| Constituents          | Weight % content (or range) |
| non-ionic surfactants | less than 5 %               |

##### **Regulation on persistent organic pollutants (POP)**

None of the ingredients are listed.

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### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| EU      | REACH Reg. | not all ingredients are listed |

#### Legend

REACH Reg. REACH registered substances

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

| Abbr.      | Descriptions of used abbreviations   |
|------------|--|
| 2006/15/EC | Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC |
| Acute Tox. | Acute toxicity   |
| ADR        | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)                                      |
| ATE        | Acute Toxicity Estimate  |
| CAS        | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)   |
| Ceiling-C  | Ceiling value  |
| DGR        | Dangerous Goods Regulations (see IATA/DGR)   |
| DNEL       | Derived No-Effect Level  |
| EC No      | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)                  |
| EH40/2005  | EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )              |
| EINECS     | European Inventory of Existing Commercial Chemical Substances  |
| ELINCS     | European List of Notified Chemical Substances  |
| Eye Dam.   | Seriously damaging to the eye  |
| Eye Irrit. | Irritant to the eye  |
| GHS        | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations  |
| IATA       | International Air Transport Association  |
| IATA/DGR   | Dangerous Goods Regulations (DGR) for the air transport (IATA)   |
| ICAO       | International Civil Aviation Organization  |
| IMDG       | International Maritime Dangerous Goods Code  |
| index No   | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008   |
| IOELV      | Indicative occupational exposure limit value   |

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| Abbr. | Descriptions of used abbreviations  |
|-------|---|
| NLP   | No-Longer Polymer   |
| PBT   | Persistent, Bioaccumulative and Toxic   |
| PNEC  | Predicted No-Effect Concentration   |
| ppm   | Parts per million   |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| RID   | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| STEL  | Short-term exposure limit   |
| TWA   | Time-weighted average   |
| vPvB  | Very Persistent and very Bioaccumulative  |
| WEL   | Workplace exposure limit  |

### Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.  
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                                     |
|------|--|
| H302 | Harmful if swallowed.                    |
| H312 | Harmful in contact with skin.            |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage.               |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.