SAFETY DATA SHEET
In accordance with 1907/2006 annex II 2015/830 and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Issued 2020-04-09
Version number 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
   Trade name Woodsafe Exterior WFX

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Identified uses Fire-retardant treated wood

1.3. Details of the supplier of the safety data sheet
   Company WOODSAFE TIMBER PROTECTION AB
   Box 1153
   72129 VÄSTERÅS
   Sweden
   Telephone +46 10 2067230
   E-mail helpdesk@woodsafe.com
   Website www.woodsafe.se

1.4. Emergency telephone number
   Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Upon assessment, this mixture is not classified as hazardous according to 1272/2008

2.2. Label elements
   Hazard pictogram Not applicable
   Signal word Not applicable
   Hazard statement Not applicable
   Precautionary statement Not applicable

Supplemental hazard information
   EUH210 Safety data sheet available on request.
   EUH208 Contains FORMALDEHYDE …%. May produce an allergic reaction.

2.3. Other hazards
   Not indicated.
SECTION 3: Composition/information on ingredients

3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHOSPHORIC ACID</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 7664-38-2</td>
<td>Skin Corr 1B; H314</td>
<td>&lt;2 %</td>
</tr>
<tr>
<td>EC No: 231-633-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index No: 015-011-00-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REACH: 01-2119485924-24</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FORMALDEHYDE ...%</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 50-00-0</td>
<td>Acute Tox 3dermal, Acute Tox 3oral, Acute Tox 3vapour, Skin Corr 1B, Skin Sens 1, Muta 2, Carc 1B; H311, H301, H331, H314, H317, H341, H350</td>
<td>&lt;0.1 %</td>
</tr>
<tr>
<td>EC No: 200-001-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index No: 605-001-00-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

SECTION 4: First aid measures

4.1. Description of first aid measures

**Generally**

In case of concern, or if symptoms persist, call a doctor/physician.

**Upon breathing in**

Inhalation of product as a powder or fumes from heated product: let the injured rest at a warm place with fresh air.

Contact the doctor if symptoms persist.

**Upon eye contact**

If dust has come in contact with eyes, do not rub.

Remove all solid particles and flush with lots of water.

**Upon skin contact**

Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

**Upon ingestion**

Rinse nose, mouth and throat with water.

Contact a doctor.

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

**Generally**

No further relevant information available.

**Upon skin contact**

Allergic reactions can occur in sensitized individuals.

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

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

**Recommended extinguishing agents**

Extinguish with materials intended for the surrounding fire.

**Unsuitable extinguishing agents**

Among common extinguishing agents there are none that are overtly unsuitable.

5.2. Special hazards arising from the substance or mixture

The product is not hazardous in the flammable sense.

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning.

5.3. Advice for fire-fighters

In case of fire use proper breathing apparatus.

Wear full protective clothing.

Protective measures should be taken regarding other material at the site of the fire.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
   Do not inhale dust and avoid contact with skin, eyes and clothes when cleaning up spill.
   Use recommended safety equipment, see section 8.

6.2. Environmental precautions
   No specific measures need to be taken in the event of normal use.
   At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.

6.3. Methods and material for containment and cleaning up
   Collect.

6.4. Reference to other sections
   See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
   Do not inhale dust and avoid contact with skin and eyes.
   No special requirements on ventilation are necessary for this product.
   Store this product separately from food items and keep it out of the reach of children and pets.
   Wash your hands after using the product.

7.2. Conditions for safe storage, including any incompatibilities
   Do not store above normal room temperature.

7.3. Specific end uses
   See identified uses in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

PHOSPHORIC ACID

United Kingdom (EH40/2005)
   Time-weighted-average exposure limit (TWA) 1 mg/m³
   Short term exposure limit (STEL) 2 mg/m³

FORMALDEHYDE ...%

United Kingdom (EH40/2005)
   Time-weighted-average exposure limit (TWA) 2 ppm / 2.5 mg/m³
   Short term exposure limit (STEL) 2 ppm / 2.5 mg/m³

DNEL

PHOSPHORIC ACID

<table>
<thead>
<tr>
<th>Type of exposure</th>
<th>Route of exposure</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worker Acute</td>
<td>Inhalation</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Worker Local</td>
<td>Inhalation</td>
<td>2.92 mg/m³</td>
</tr>
<tr>
<td>Consumer Chronic</td>
<td>Inhalation</td>
<td>4.57 mg/m³</td>
</tr>
<tr>
<td>Consumer Systemic</td>
<td>Inhalation</td>
<td>2.92 mg/m³</td>
</tr>
<tr>
<td>Worker Chronic</td>
<td>Oral</td>
<td>0.1 mg/kg bw</td>
</tr>
<tr>
<td>Worker Systemic</td>
<td>Inhalation</td>
<td>10.7 mg/m³</td>
</tr>
<tr>
<td>Consumer Chronic</td>
<td>Inhalation</td>
<td>0.73 mg/m³</td>
</tr>
</tbody>
</table>
8.2. Exposure controls
In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.

8.2.1. Appropriate engineering controls
Handle in premises which have modern ventilation standards.

Eye/face protection
Eye protection should be worn if there is any danger of direct exposure or splashing.

Skin protection
Wear suitable protective clothing when necessary.
Skin protection is normally not needed due to the properties of this product. However, people who are allergic to any of the product’s constituents, or who have a tendency to develop allergies, are recommended to wear protective gloves and/or protective clothing if there is a risk of skin contact with the product.
Wear protective gloves (EN 374) upon repeated or prolonged exposure.
During continuous contact use gloves with a minimum breakthrough time of at least 240 minutes, preferably over 480 minutes.
The most suitable protective glove should be chosen in consultation with the glove supplier, taking into account the risk assessment for the specific task and the properties of the chemicals involved. Note that the breakthrough time of the material is affected by the duration of the exposure, temperature conditions, abrasion, etcetera.

Respiratory protection
Use appropriate breathing apparatus during sanding and/or other dust forming handling.

8.2.3. Environmental exposure controls
No specific measures needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Appearance</td>
<td>Form: Solid article.</td>
</tr>
<tr>
<td>b) Odour</td>
<td>Not indicated</td>
</tr>
<tr>
<td>c) Odour threshold</td>
<td>Not indicated</td>
</tr>
<tr>
<td>d) pH</td>
<td>Not indicated</td>
</tr>
<tr>
<td>e) Melting point/freezing point</td>
<td>Not indicated</td>
</tr>
<tr>
<td>f) Initial boiling point and boiling range</td>
<td>Not indicated</td>
</tr>
<tr>
<td>g) Flash point</td>
<td>Not indicated</td>
</tr>
<tr>
<td>h) Evaporation rate</td>
<td>Not indicated</td>
</tr>
<tr>
<td>i) Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>j) Upper/lower flammability or explosive limits</td>
<td>Not indicated</td>
</tr>
<tr>
<td>k) Vapour pressure</td>
<td>Not indicated</td>
</tr>
<tr>
<td>l) Vapour density</td>
<td>Not indicated</td>
</tr>
<tr>
<td>m) Relative density</td>
<td>Not indicated</td>
</tr>
<tr>
<td>n) Solubility</td>
<td>Not indicated</td>
</tr>
<tr>
<td>o) Partition coefficient: n-octanol/water</td>
<td>Not applicable</td>
</tr>
<tr>
<td>p) Auto-ignition temperature</td>
<td>Not indicated</td>
</tr>
<tr>
<td>q) Decomposition temperature</td>
<td>Not indicated</td>
</tr>
<tr>
<td>r) Viscosity</td>
<td>Not indicated</td>
</tr>
<tr>
<td>s) Explosive properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>t) Oxidising properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

9.2. Other information
No data available
SECTION 10: Stability and reactivity

10.1. Reactivity
The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability
The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
Upon combustion: carbon monoxide and water will be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

Acute toxicity
The product is not classified as harmful to health.

PHOSPHORIC ACID
LD50 rabbit 24h: 2740 mg/kg Dermally
LD50 rat 24h: 2600 mg/kg Orally
LC50 rat 2h: 850 mg/l Inhalation

FORMALDEHYDE …%
LD50 rat 24h: 203 mg/kg Orally

Skin corrosion/irritation
The product is neither corrosive nor irritant.

Serious eye damage/irritation
Eye irritation has not been proven during normal use.

Respiratory or skin sensitisation
The product contains a low level of allergenic substance.

Germ cell mutagenicity
The product contains low levels of mutagenic substance.

Carcinogenicity
The product contains low quantities of a carcinogenic substance.

Reproductive toxicity
The product is not classified as a reproductive toxicant.

STOT-single exposure
The product is not classified for specific organ toxicity after single exposure.

STOT-repeated exposure
The product is not classified for specific organ toxicity after repeated exposure.

Aspiration hazard
The product is not classified as being toxic for aspiration.

SECTION 12: Ecological information

12.1. Toxicity
No ecological damage is known or expected in the event of normal use.

PHOSPHORIC ACID
LC50 Bluegill (Lepomis macrochirus) 96h: 78 mg/l
EC50 Freshwater water flea (Daphnia magna) 12h: 3.4 mg/l
LC50 mosquitofish (Gambusia affinis) 96h: 1 - 3.5 mg/l
12.2. Persistence and degradability
The product degrades in the natural environment.

12.3. Bioaccumulative potential
Neither this product, nor its contents, accumulates in nature.

12.4. Mobility in soil
Information about mobility in nature is not available.

12.5. Results of PBT and vPvB assessment
No chemical safety report has been prepared.

12.6. Other adverse effects
No known effects or hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste handling of the product
The product is not classified as hazardous waste.
This product may be recycled; Contact the distributor for information.
Observe local regulations.

SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway),
ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number
Not classified as dangerous goods

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
Not applicable

14.6. Special precautions for user
Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

14.8 Other transport information
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Follow local/national regulations.

15.2. Chemical safety assessment
Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.
SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet

Revisions of this document

This is the first version

16b. Legend to abbreviations and acronyms used in the safety data sheet

Full texts for Hazard Class and Category Code mentioned in section 3

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr 1B</td>
<td>Corrosive (Category 1B)</td>
</tr>
<tr>
<td>Acute Tox 3&lt;sub&gt;dermal&lt;/sub&gt;</td>
<td>Acute toxicity (Category 3 skin)</td>
</tr>
<tr>
<td>Acute Tox 3&lt;sub&gt;soral&lt;/sub&gt;</td>
<td>Acute toxicity (Category 3 oral)</td>
</tr>
<tr>
<td>Acute Tox 3&lt;sub&gt;vapour&lt;/sub&gt;</td>
<td>Acute toxicity (Category 3 vapour)</td>
</tr>
<tr>
<td>Skin Sens 1</td>
<td>May cause an allergic skin reaction (Category 1)</td>
</tr>
<tr>
<td>Muta 2</td>
<td>Suspected genetic defects (Category 2)</td>
</tr>
<tr>
<td>Carc 1B</td>
<td>May cause cancer (Category 1B)</td>
</tr>
</tbody>
</table>

Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road
RID Regulations concerning the International Transport of Dangerous Goods by Rail
IMDG International Maritime Dangerous Goods Code
ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA The International Air Transport Association

16c. Key literature references and sources for data

Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2020-04-09.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet


EH40/2005 EH40/2005 Workplace exposure limits

89/391 COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work


16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.
16e. List of relevant hazard statements and/or precautionary statements
Full texts for hazard statements mentioned in section 3

H314  Causes severe skin burns and eye damage
H311  Toxic in contact with skin
H301  Toxic if swallowed
H331  Toxic if inhaled
H317  May cause an allergic skin reaction
H341  Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>
H350  May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment
Warning for misuse
This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

Other relevant information
Not indicated

Editorial information
This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, www.kemrisk.se