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.

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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.

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

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/m^3
Short term exposure limit (STEL) 2 mg/m^3

FORMALDEHYDE …%

United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 2 ppm / 2.5 mg/m^3
Short term exposure limit (STEL) 2 ppm / 2.5 mg/m^3

DNEL
PHOSPHORIC ACID

	Type of exposure	Route of exposure	Value
Worker	Acute Local	Inhalation	2 mg/m^3
Consumer	Chronic Systemic	Inhalation	4.57 mg/m^3
Worker	Chronic Local	Inhalation	2.92 mg/m^3
Worker	Chronic Systemic	Oral	0.1 mg/kg bw
Worker	Chronic Systemic	Inhalation	10.7 mg/m^3
Consumer	Chronic Local	Inhalation	0.73 mg/m^3

PNEC

No data available.

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

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

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

FORMALDEHYDE …%

LC50 Rainbow trout (Oncorhynchus mykiss) 96h: 1.41 ppm
EC50 Freshwater water flea (Daphnia magna) 48 h: 1 - 7.8 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

Skin Corr 1B	Corrosive (Category 1B)
Acute Tox 3*dermal*	Acute toxicity (Category 3 skin)
Acute Tox 3*oral*	Acute toxicity (Category 3 oral)
Acute Tox 3*vapour*	Acute toxicity (Category 3 vapour)
Skin Sens 1	May cause an allergic skin reaction (Category 1)
Muta 2	Suspected genetic defects (Category 2)
Carc 1B	May cause cancer (Category 1B)

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

1907/2006	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
2015/830	COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
1272/2008	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
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
1907/2006	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

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

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