

Obtainment of health and environmental data – Manufacturer's declaration

- The form shall be filled out by the manufacturer. See also document "Obtainment of health and the environmental data – Information to manufacturer".
- If a system consists of several components, individual forms shall be filled out for each component. The form shall be filled out by the component manufacturer.
- **Chemical compounds shall be stated even if the amount added lies under the limit value for declaration.**

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| Technical Approval - Number | SC0243-09, TG0263-08 |
| Technical Approval - Name | Woodsafe Fire-retardant treated solid woodpanels. |
| Technical Approval - Holder | Woodsafe Timber Protection AB, Sweden. |
| Name of component (shall be given if the system consists of several components) | Fire retardant FirePRO [®] |
| Manufacturer | Koppers Performance Chemicals Inc, Buffalo, USA. |
| Date (completion of declaration) | 2016-11-14 |
| Declaration has been completed by (Name and company) | 2016-11-14. Woodsafe Timber Protection AB, Sweden. |

| Content of chemicals hazardous to health and the environment¹⁾ | No | Yes | If "Yes", then substance name CAS number and quantity shall be given. | Comments 302, 319, 360 |
|--|-----------|------------|---|---|
| Compounds listed on the Priority List of Hazardous Substances ^[1] ? | | X | CAS 10043-35-3. BORIC ACID. (H360) - Quantity 0,0038-0,0135% weight depending on the wood species (arto/arto). CAS 12045-88-4. DINATRIUMTETRABORAT PENTAHYDRAT (H302,H319) - Quantity 0,001-1,450% weight depending on the wood species (arto/arto). | Both substance: FR product placed on marked as a solid FR wood product, substance fixed into cell structure. Interior use often covered by surface varnish or paint. Exterior use always covered by surface paint. Note: Substance not placed on market as a chemical product. |

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| Compounds listed on the ECHAs Candidate List ^[2] ? | X | | | |
| Compounds that are listed in in Annex XIV of REACH or compounds that are recommended for inclusion in Annex XIV of REACH ^[3, 4] ? | | X | <p>CAS 10043-35-3. BORIC ACID. (H360)</p> <ul style="list-style-type: none"> - Quantity 0,0038-0,0135% weight depending on the wood species (arto/arto). | <p>FR product placed on marked as a solid FR wood product, substance fixed into cell structure. Interior use often covered by surface varnish or paint. Exterior use always covered by surface paint.</p> <p>Note: Substance not placed on market as a chemical product. FR-Wood are place on market as a kilndry FR-wood.</p> <p>Appendix: Declaration of performance SC0243-09, P10.</p> |
| Compounds that are acutely toxic: H300, H301, H302 , H310, H311, H312, H330, H331 or H332 | | | <p>CAS 12045-88-4. DINATRIUMTETRABORAT PENTAHYDRAT</p> <ul style="list-style-type: none"> - Quantity 0,001-1,450% weight depending on the wood species (arto/arto). | <p>FR product placed on marked as a solid FR wood product, substance fixed into cell structure.</p> <p>Interior use often covered by surface varnish or paint. Exterior use always covered by surface paint.</p> <p>Note: Substance not placed on market as a chemical product.</p> |

1) Chemical compounds shall be stated even if the amount added lies under the limit for declaration.

| Content of chemicals hazardous to health and the environment ¹⁾ | No | Yes | If "Yes", then substance name CAS number and quantity shall be given. | Comments |
|---|----|-----|--|---|
| Compounds that cause dermal corrosion/irritation: H314 or H315 | X | | | |
| Compounds that cause serious eye damage/eye irritation: H318 or H319 | | X | CAS 12045-88-4. DINATRIUMTETRABORAT PENTAHYDRAT - Quantity 0,001-1,450% weight depending on the wood species (arto/arto). | FR product placed on marked as a solid FR wood product, substance fixed into cell structure. Interior use often covered by surface varnish or paint. Exterior use always covered by surface paint. Note: Substance not placed on market as a chemical product. |
| Compounds that cause respiratory/skin sensitization: H317 or H334 | X | | | |
| Compounds that cause germ cell mutagenicity: H340 or H341 | X | | | |
| Compounds that are carcinogenic: H350 or H351 | X | | | |
| Compounds that are toxic for reproduction: H360 , H361 or H362 | | X | CAS 10043-35-3. BORIC ACID. (H360) - Quantity 0,0038-0,0135% weight depending on the wood species (arto/arto). | FR product placed on marked as a solid FR wood product, substance fixed into cell structure. Interior use often covered by surface varnish or paint. Exterior use always covered by surface paint. Note: Substance not placed on market as a chemical product. |
| Compounds that are toxic for specific target organs – single exposure: H370, H371, H335 or H336 | X | | | |
| Compounds that are toxic for specific target organs – repeat exposure: H372 or H373 | X | | | |
| Compounds that produce aspiration hazard: H304 | X | | | |

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| Compounds that are hazardous to the aquatic environment: H400, H410, H411, H412 or H413 | X | | | |
| Compounds that are hazardous to the ozone layer: H420 | X | | | |
| Compounds that are regulated in the Kyoto protocol (climate change) ^[5] | X | | | |
| Compounds that are suspected endocrine disruptors ^[6] | X | | | |
| Nano particles ^[7] | X | | | |
| Flame retardants | | (X) | Product placed on market as a vacuum pressure kiln-dry solid wood product manufactured under quality and management system ISO 9001:2009, certificate 5829 and environment manual ISO14001:2004, certificate 5829M. | |

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| Disposal | No | Yes | Comments |
|---|----|-----|---|
| EWC code ^[8] | | | EWC (European Waste Catalogue) code: |
| Can the product be sorted on the building site? | | X | Sorted as recyclable wood. |
| Is there an arrangement for product return? | X | | |
| Is the product suitable for material recycling? | | X | <i>The product can be used again in order to be used in fire prevention purposes.</i> |
| Is the product suitable for energy recycling? | X | | <i>Woodsafe FirePRO™ construction waste is to be sorted as combustible timber. Burning using your own solid-fuel combustion equipment is not recommended due to deteriorated combustion characteristics, which can damage the equipment. Woodsafe FirePRO products such as sawdust, cutter chips and materials should not be used as animal bedding or for the production of solid fuels such as briquettes, pellets, chips or similar.</i> |
| Must the product be deposited at end of life? | X | | |
| Products that hardens or dries: must unhardened/wet product be handled as hazardous waste? ^[8] | X | | |
| Does the product contain substances that makes it hazardous waste (at end of service life) ^[8] ? | X | | Levels below the maximum limit level for the substance. |

| Environmental declaration - EPD | No | Yes | Comments |
|---|----|-----|----------|
| Has an environmental declaration been worked out for the product/component? | X | | |

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| Signature | Thomas Bengtsson, CEO, Woodsafe Timber Protection AB. |
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References

- [1] List of Priority Substances. Substances that the Norwegian authorities want reduced or eliminated. <http://www.environment.no/topics/hazardous-chemicals/lists-of-hazardous-substances/list-of-priority-substances/>
- [2] ECHA Candidate list. Substances of very high concern (SVHC). <http://echa.europa.eu/web/guest/candidate-list-table>
- [3] Annex XIV to REACH. List of substances subject to authorisation <http://echa.europa.eu/regulations/reach/legislation>, under heading "REACH Regulation".
- [4] Chemicals Recommended for Inclusion in the Authorisation List, Annex XIV to REACH. <http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/authorisation/recommendation-for-inclusion-in-the-authorisation-list/authorisation-list>
- [5] Kyoto protocol to the United Nations Framework on Climate Change (UNFCCC), see Annex A of

- the protocol. http://unfccc.int/kyoto_protocol/items/2830.php
- [6] Suspected endocrine disruptors (download the zipped file):
http://ec.europa.eu/environment/chemicals/endocrine/strategy/being_en.htm
- [7] Nano particles - definition: http://ec.europa.eu/nanotechnology/policies_en.html
- [8] Norwegian waste regulation (Avfallsforskriften), in Norwegian only: <http://www.lovdatab.no/>
- [9] [Woodsafe reference: www.woodsafes.se](http://www.woodsafes.se) **support download page. (FirePRO™)**