Solid Protect

SPFR100

Safety Data Sheet

1. Identification of product and manufacturer

Product

Name: SPFR100
Product type: Clear fire-retardant impregnation treatment for absorbent wood and wood-based materials, for indoor and outdoor use.

Uses advised against

Do not use on non-absorbent, sealed, painted, lacquered, oiled or otherwise coated surfaces unless compatibility has been confirmed by Solid Protect.

Manufacturer/Supplier

Solid Protect OÜ
Vabaduse pst 174B
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E-mail: support@solidprotect.eu
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Emergency telephone: 112

2. Hazards Identification

Classification
The mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).

The product is water-based, solvent-free and non-flammable under normal conditions of use.

Label elements
Hazard pictograms, signal word, hazard statements and precautionary statements: Not required.

Other hazards
No significant hazards are known under normal conditions of use. Direct contact with eyes may cause irritation. Prolonged or repeated skin contact may cause slight irritation in sensitive individuals.

Based on available information, the mixture does not contain substances classified as PBT or vPvB and is not known to contain substances with endocrine-disrupting properties.

3. Composition/Information on Ingredients

Mixture
The mixture contains sodium and potassium derivatives, additives not classified as hazardous under CLP and water.

Composition
Sodium and potassium derivatives: 20–25%
Additives not classified as hazardous under CLP: 1–2%
Water: balance

Based on available information, the mixture does not contain substances classified as hazardous under Regulation (EC) No. 1272/2008 (CLP) in concentrations requiring disclosure in this section.

No substances with occupational exposure limits are present in concentrations requiring disclosure.

4. First-Aid Measures

General information: No special measures are required under normal conditions of use. If symptoms persist, seek medical advice.
After inhalation: Move the person to fresh air.
After skin contact: Wash with water. If irritation occurs, seek medical advice.
After eye contact: Rinse cautiously with water for several minutes. If irritation persists, seek medical advice.
After swallowing: Rinse mouth. Drink water if conscious. Do not induce vomiting unless instructed by medical personnel. If symptoms occur, contact a doctor or poison centre.

Symptoms: Direct eye contact may cause irritation. Prolonged or repeated skin contact may cause slight irritation in sensitive individuals.
Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media: The product itself is non-flammable. Use extinguishing media suitable for the surrounding fire, such as water spray, foam, dry powder or carbon dioxide.

Special hazards: No specific hazardous combustion products are known. Packaging or surrounding materials may produce smoke in the event of fire.

Advice for firefighters: Use standard firefighting protective equipment. Prevent contaminated extinguishing water from entering drains, surface water or soil.

6. Accidental Release Measures

Personal precautions
Avoid contact with eyes and prolonged skin contact. Use standard protective equipment where necessary.

Environmental precautions
Prevent large quantities from entering drains, surface water or soil.

Clean-up methods: Absorb spilled material with sand, earth or other suitable inert absorbent material. Collect into suitable containers and dispose of in accordance with local regulations. Small residues may be rinsed with water where permitted.

7. Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes and prolonged skin contact. Wash hands after handling.
Storage: Store in the original, tightly closed container at +5 °C to +30 °C. Protect from direct sunlight, frost and excessive heat.
Specific use: Fire-retardant impregnation treatment for absorbent wood and wood-based materials.

8. Exposure Controls/Personal Protection

Exposure controls: No occupational exposure limits are established for the mixture. Ensure sufficient ventilation during application and drying.
Personal protection: No special personal protective equipment is required under normal conditions of use. Avoid contact with eyes and prolonged skin contact.
Eye protection: Wear safety goggles if splashing may occur.
Hand protection: Wear protective gloves during prolonged or repeated handling.
Respiratory protection: Not required under normal ventilation. Use a respirator if ventilation is inadequate or during spray application.
Skin protection: Wear suitable work clothing.

9. Physical and Chemical Properties

Appearance: Transparent liquid
Odour: Almost odourless
pH: 6.6–7.2 at 20 °C
Density: 1.10–1.15 g/cm^3 at 20 °C
Solubility in water: Fully miscible
Boiling point: Not determined
Flash point: Not applicable; water-based non-flammable product
Auto-ignition: Product is not self-igniting
Explosive properties: Product is not explosive
Viscosity: 12.75 mPa·s at 20 °C

10. Stability and Reactivity

Reactivity: No hazardous reactions known under normal conditions of use.
Chemical stability: Stable under recommended handling and storage conditions.
Conditions to avoid: Frost, excessive heat and direct sunlight.
Incompatible materials: No specific incompatibilities known.
Hazardous decomposition products: None known when used as intended.

11. Toxicological Information

Acute toxicity: Not classified.
Skin contact: May cause slight irritation in sensitive individuals.
Eye contact: May cause eye irritation.
Sensitisation: No sensitising effects known.
Inhalation: No harmful effects known under normal conditions of use.
Ingestion: No harmful effects known under normal conditions of use.

Based on available information, the mixture is not classified as hazardous to health according to Regulation (EC) No. 1272/2008 (CLP).

12. Ecological Information

Ecotoxicity: Not classified as hazardous to the aquatic environment.
Persistence and degradability: The product is biodegradable.
Bioaccumulative potential: No bioaccumulation is expected.
Mobility in soil: The product is water-soluble and may be mobile in soil.
Other adverse effects: No significant environmental effects are known.

Avoid release of large quantities into drains, surface water or soil.

13. Disposal Considerations

Dispose of product residues and containers in accordance with local regulations. Do not discharge large quantities into drains, surface water or soil. SPFR100-treated wood may be disposed of as non-hazardous wood waste, where permitted by local regulations.

14. Transport Information

Not classified as dangerous goods for transport under ADR/RID, IMDG or IATA.
UN number, transport hazard class and packing group: Not applicable.

15. Regulatory Information

The mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).

This safety data sheet has been prepared in accordance with Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878.

Fire performance: SPFR100-treated wood products can achieve Euroclass B-s1, d0 according to EN 13501-1, subject to tested substrate and application conditions.

16. Other Information

This safety data sheet is based on available information and current knowledge at the date of issue.

The information relates only to the product as supplied and does not constitute a guarantee of specific properties.

Use the product according to the technical data sheet and application instructions.

Abbreviations: CLP, REACH, SDS, PBT, vPvB.