FireZone 92 – Clear Intumescent Coating for Timber

Fire protection coating for wood, wood boards MDF melamine and veneered boards, and wood related products.

MSDS FireZone 92 Top Coat

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product name and/or code FireZone 92 Base Coat

Supplier/Manufacturer

Zone Architectural Products Ltd
4a Edwin Street
Mt Eden, Auckland
New Zealand
Website: www.zone.net.nz
Email: info@zone.net.nz

Telephone: 0800 508 800
Fax: 09 523 3743

Emergency telephone number Contact National Poison Centre via Hospital or General Practitioner

Product use Coatings: Waterborne paint

2. HAZARDS IDENTIFICATION

Health effects: Main hazard: **No Labelling required in accordance with EU Guideline 199/45/EC.**

Skin **May cause mild irritation with repeated contact for individuals with sensitive skin.**

Eyes **May cause irritation.**

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization **Water based clear top coat comprising an aqueous solution of acrylic polymer**

Chemical Name	CAS No.	EC Number	%	Classification
Benzyl alcohol	100-51-6		< 1.6	Xn;R20/R22
Mono-propylene glycol methyl ether	107-98-2		< 3.75	R10
2,2,4-Trimethyl-1,3-pentanediol Monoisobutyrate	25265-77-4	246-771-9	< 3.0	R22/36/38

4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing and wash contaminated skin thoroughly with water. Obtain medical attention if symptoms develop.
Eye contact	Wash immediately with copious amounts of water. Seek medical attention if irritation persists.
Inhalation	Remove the casualty to fresh air. Obtain medical attention if difficulties persist.
Ingestion	If ingested in large amounts then seek medical attention, show the physician this data sheet.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Select extinguishing agent appropriate for other materials involved.
Extinguishing media which must not be used for safety reasons	None known.
Special exposure hazards	None known.
Special protective equipment for fire-fighters	Wear appropriate protective clothing and suitable breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate protective clothing and ensure standard good working industrial practice.
Environmental precautions	Try to prevent the material entering drains or watercourses. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation. Dilute as much as possible with water and notify authorities immediately.
Spillages	Contain and absorb using earth, sand, cloth or other inert absorbent material.

7. HANDLING AND STORAGE

Handling precautions	Wear appropriate protective clothing. Adequate ventilation should be provided if there is risk of mist of aerosol formation.
Storage conditions	Store in closed containers between 5°C and 30°C in dry conditions. Avoid extremes of temperature. Protect from freezing. Normal ventilation is adequate.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standards

monopropylene glycol methyl ether (CAS no. 107-98-2, EINECS no. 203-539-1) ~ 1.5%

EU Directive 2000/39/EC OEL TLV-TWA (8 hours): 375mg/m^3 – 100ppm (2000)

EU Directive 2000/39/EC OEL TLV-STEL (short term): 568mg/m^3 – 150ppm (2000)

Personal protection equipment:

Respiratory protection	Not normally required, use in case of insufficient exhaust ventilation or prolonged exposure.
Hand protection	Wear impermeable nitrile or rubber gloves.
Eye protection	Wear safety goggles.
Skin and body protection	Wear suitable overalls. Wash off any splashes immediately. No eating drinking or smoking in the work place. Practice good personal hygiene.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour	White (dries to clear coat).
Form	Liquid.
Odour	Mild.
pH as supplied	6.8 – 7.1
Boiling point/range	~ 100°C.
Freezing point/range	~ 0°C.
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Autoignition temperature	Not applicable.
Explosive properties	Not applicable.
Vapour pressure	Not applicable.
Bulk density	1.05g/cm^3.
Solubility:	
Water solubility	Miscible.
Partition coefficient	Not determined.
(n-octanol/water)	
Other data	

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Materials and Conditions to avoid No hazardous reactions when stored and handled to prescribed instructions.

Hazardous decomposition products No decomposition if stored and applied as directed. Thermal decomposition may generate oxides of carbon and phosphorus.

11. TOXICOLOGICAL INFORMATION

Mono-propylene glycol methyl ether (CAS no. 107-98-2, EINECS no. 203-539-1) ~ 1.5%

Acute Toxicity:

LD50-oral, rat >5000 mg/kg

LC50-inhalation, rat (4h) = 15.000ppm

Reproduction toxicity: Negative.

12. ECOLOGICAL INFORMATION

Do not allow product to enter soil, waterways or waste water.

Information on components:

Mono-propylene glycol methyl ether (CAS no. 107-98-2, EINECS no. 203-539-1) ~ 1.5%

Fish: LC50, 96h; ~28.000mg/l

Daphnia: EC50, 48 h; ~23.300mg/l

Algae: EC50, 168 h; >1000mg/l

Biodegradation in activated domestic sewage:<80% after 28days.

The potential to accumulate in biota and pass through the food chain is low. (Calculated log Pow is less than 3)

13. DISPOSAL CONSIDERATIONS

Product Recommended disposal of this product is in accordance with local regulations at approved sites. Incineration is suitable.

Uncleaned packaging Contaminated packaging should be emptied as far as possible and after cleansing may be reused. Packaging that cannot be cleaned should be disposed of as product waste.

14. TRANSPORT INFORMATION

UN Class	This product is not classified as dangerous goods under the United Nations Transport Recommendations.
UN Packing group	No special requirements.
ADR	Not regulated for transport.
RID	Not regulated for transport.
IMDG	Not regulated for transport.
IATA	Not regulated for transport.
Further information:	Dispatch by post permitted.

15. REGULATORY INFORMATION

Labelling / Supply classification	No classification required according to directive 67/548/EEC, Directive 1999/45/EC and further amendments and adaptations.
National regulations	Water Hazard Class (Ger.): 2 (according to VwVwS, 17.05.1999)
Risk phrases	This product is not classified according to EU legislation.
Safety phrases	S2 – Keep out of the reach of children S23 – Do not breathe vapour/spray.

16. OTHER INFORMATION

Recommended use	Top Coating to go over fire retardant /intumescent paints.
Further information	Consult technical data sheet.
R-Phrase from section 2	R10 – Flammable. R20 – Harmful by inhalation R22 – Harmful if swallowed. R36 – Irritating to eyes. R38 – Irritating to skin.

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation. The information given in this safety data sheet is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.