# Safety Data Sheet

**Product:** **BELZONA® 8111 (Mouldable Wood)**
**Date:** **NOVEMBER 1996**

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|---|---|---|---|
| **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION** | Belzona Polymerics Ltd.<br>Claro Road, Harrogate, HG1 4AY.<br>Tel: +44 (0) 1423 567641<br>Emergency Tel: +44 (0) 1423 503218 | | Product Type:<br>Two-pack unsaturated polyester composition for rebuilding damaged woodwork |
| | **FIBROUS WOOD** | | **REACTIVE LIQUID** |
| **2. COMPOSITION/INFORMATION ON INGREDIENTS** | Wood Flour<br>Dibenzoylperoxide | 30-60%<br>1-5% | Styrene | 10-30% |
| **3. HAZARDS IDENTIFICATION** | Avoid formation of dust clouds, and inhalation of dust. | | Harmful by inhalation. Irritating to eyes and respiratory system. |
| **4. FIRST AID MEASURES** | | | |
| Inhalation | Remove to fresh air. If irritation persists seek medical attention. | | Remove to fresh air. If irritation persists seek medical attention. |
| Skin | Rinse with water, then wash with soap and water. If irritation persists seek medical attention. | | Remove excess with clean cloth and wash skin thoroughly with soap and water. If irritation persists seek medical attention. |
| Eyes | Flush immediately with copious amounts of water for at least 15 minutes. Seek medical attention promptly. | | Flush immediately with copious amounts of water for at least 15 minutes. If irritation persists seek medical attention. |
| Ingestion | Do not induce vomiting. Immediately rinse mouth with water. Drink plenty of water. Seek medical attention promptly. | | Do not induce vomiting. Immediately rinse mouth with water. Seek medical attention promptly. |
| **5. FIRE-FIGHTING MEASURES** | | | |
| Extinguishing Media | Water fog. | | Dry powder. Foam. Sand. |
| Unsuitable | Carbon dioxide. | | Water jet. |
| Special Procedures | Fire fighters must wear self contained breathing apparatus due to the toxic nature of evolved gases. | | Fire fighters must wear self contained breathing apparatus due to the toxic nature of evolved gases. |
| **6. ACCIDENTAL RELEASE MEASURES** | | | |
| Personal Precautions | Wear suitable protective gloves and clothing. | | Wear suitable protective gloves and clothing. |
| Environmental Precautions | Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws. | | Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws. |
| Cleansing Methods | Damp down with water fog. Sweep up and place into suitable labelled container. | | Absorb with dry inert material such as sand. Place into suitable labelled containers for disposal. Flush contaminated area with detergent and water. |
| **7. HANDLING AND STORAGE** | Avoid breathing dust. When using do not eat, drink or smoke. Store in tightly lidded containers in dry conditions between 5°C and 30°C. | | Avoid breathing vapour. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Store in tightly lidded containers in dry conditions between 5°C and 30°C. |
| **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION** | | | |
| Respiratory | Not applicable under normal conditions of use. If excessive dust is created use a dust mask. | | In confined areas or where good natural/mechanical ventilation is not available leading to a risk of exceeding the exposure limits indicated, respiratory protection should be used. |
| Hands | Impermeable nitrile or neoprene gloves. | | Impermeable nitrile or neoprene gloves. |
| Eyes | Faceshield/Goggles | | Faceshield/Goggles |
| Other | Suitable protective clothing | | Suitable protective clothing |

| | FIBROUS WOOD | REACTIVE LIQUID |
|---|---|---|
| **9. PHYSICAL AND CHEMICAL PROPERTIES** | | |
| Boiling point | Not applicable | 146°C |
| Flash Point (Closed Cup) | Not applicable | 34°C |
| Flammability | Flammable | Flammable |
| Autoflammability | No information available | Auto ignition temperature 490°C |
| Explosive Properties | Not applicable | Lel: 1.1% Uel: 6.1% |
| Oxidising Properties | Not applicable | Not applicable |
| Vapour Pressure | Not applicable | 600 Pa at 20°C |
| Relative Density | 2.0 (Bulk Density) | 1.14 |
| Solubility in Water | Insoluble | Insoluble |
| Other Data | Exothermic reactions occur when components are mixed. Avoid storage of mixed material in sealed containers. | Exothermic reactions occur when components are mixed. Avoid storage of mixed material in sealed containers. |
| **10. STABILITY AND REACTIVITY** | Stable | Stable |
| Conditions to Avoid | Not applicable | Not applicable |
| Materials to Avoid | Water. Strong oxidising agents. | Strong oxidising agents. Acids. |
| Hazardous Decomposition Products | Gaseous combinations of carbon, hydrogen, oxygen. | Gaseous combinations of carbon. Hydrogen. Oxygen |
| **11. TOXICOLOGICAL INFORMATION** | Wood flour: OES (8 hr TWA) 5 mg $m^{-3}$<br>Dibenzoylperoxide: OES (8 hr TWA) 5 mg $m^{-3}$ | Styrene: MEL (8 hr TWA) 100 ppm, 420 mg $m^{-3}$ |
| **12. ECOLOGICAL INFORMATION** | No information available | No information available |
| **13. DISPOSAL** | "Special Waste" disposal must be carried out in accordance with the Control of Pollution (Special Waste) Regulations and the E.P.A. Duty of Care Regulations | Disposal must be carried out in accordance with Local and National Regulations. |
| **14. TRANSPORT INFORMATION** | | |
| Hazard Warning | Not applicable | Flammable |
| UN No. | Not applicable | 1866 |
| IMO/IMDG | Not applicable | Class 3.3 / 3379 |
| ICAO/IATA | Not applicable | Class 3 1866 III |
| RID/ADR | Not applicable | Class 3 No.31°(c) |
| **15. REGULATORY INFORMATION** | | |
| Hazard | Irritant | Harmful |
| Risk Phrases | May cause sensitization by skin contact. | Flammable. Harmful by inhalation. Irritating to eyes and skin. |
| Safety Phrases | Wear suitable gloves and eye/face protection. | Do not breathe the vapour. |
| **16. OTHER INFORMATION** | Adequate ventilation is that which ensures that the oxygen content of the air being breathed is greater than 18% and that any airborne contaminants with occupational exposure limits do not exceed quoted MEL or OES values. | Adequate ventilation is that which ensures that the oxygen content of the air being breathed is greater than 18% and that any airborne contaminants with occupational exposure limits do not exceed quoted MEL or OES values. |

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