

BREAKAWAY CERAMIC RESIN

MATERIAL SAFETY DATA SHEET

1.0 IDENTIFICATION

1.1 Product Name	Breakaway Ceramic Resin
1.2 Application	Breakable Theatrical Ceramics
1.3 Supplier	Breakaway Effects LTD Shepperton Studios, Studios Road Shepperton, Middlesex, TW17 0QD
1.4 Telephone Number	01932 59 2446
1.5 Facsimile Number	01932 58 0880

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Composition	A blend of paraffin waxes, hydrocarbon resins and ethylene vinyl acetate resins.
2.2 Hazardous Ingredients	None

3.0 HAZARDS IDENTIFICATIONS

3.1 Nature of Hazard	Low Hazard. Material can form flammable mixtures or can burn only on heating to temperatures at or above flash point. Dust: Material in form of dust is subject to explosions. Static Discharge: Product can accumulate static charges which can cause an incendiary electrical discharge.
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4.0 FIRST AID

4.1 Eyes	Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.
4.2 Skin	Hot contact - cool affected parts thoroughly under running water for at least 10 minutes. DO NOT REMOVE adhering material, obtain medical attention. If limb is completely surrounded by resin, the resin should be split to avoid tourniquet effect. Cold Contact - Wash thoroughly with soap and water.
4.3 Inhalation	Remove from exposure.
4.4 Ingestion	Wash out mouth with water.

5.0 FIRE FIGHTING MEASURES

5.1 Extinguishers	Foam, dry chemical or water spray. Use water spray to cool exposed surfaces and to protect personnel
Special Fire Precautions	Avoid spraying water directly into storage containers due to danger of boil-over.
5.2 Special Exposure Hazards	Irritant fumes
5.3 Special Protective Equipment	Respiratory and eye protection required for fire fighting personnel.

6.0 ACCIDENTAL RELEASE

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| 6.1 Spill control | Collect into containers for approved disposal. |
| 6.2 Personal Precautions | No special requirements. |
| 6.3 Environmental Protection | Do not allow material to enter drains or water courses. |

7.0 HANDLING AND STORAGE

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| 7.1 Handling | Solid Product - No special precautions
Molten Product - Care must be taken to prevent burns from skin contact with molten product. Where such danger exists, it is recommended that long sleeved gloves protecting hands and arms should be worn. A faceshield should be worn where there is a risk of splashing. Avoid overheating of molten product. |
| 7.2 Storage | Storage temperature - ambient
Do not store or handle near an open flame, sources of heat, or sources of ignition. Material will accumulate static charges which may cause an electrical spark (ignition sources). Use proper grounding procedures. |

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1 Occupational Exposure Limits | 5mg/m ³ (respirable dust)
10mg/m ³ (total dust)
based on the ACGIH TLV for Nuisance Dust. |
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9.0 PHYSICAL AND CHEMICAL PROPERTIES

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| 9.1 Physical State | Solid |
| 9.2 Colour | White Solid |
| 9.3 Boiling Point/Range (°C) | Above 350 |
| 9.4 Softening Point/Range (°C) | 40 - 55 |
| 9.5 Viscosity | Not applicable |
| 9.6 Flash Point (COC) °C | Above 180 |
| 9.7 Relative Density (@20°C) | 0.98g/cm ³ |
| 9.8 Solubility in water | Insoluble |

10.0 STABILITY AND REACTIVITY

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| 10.1 Stability | Stable |
| 10.2 Conditions to avoid | Any source of ignition |
| 10.3 Materials to avoid | Strong oxidising agents, very high temperatures |
| 10.4 Hazards Decomposition | None |

11.0 TOXICOLOGICAL INFORMATION

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| 11.1 On Eyes | Irritating, but does not injure eye tissue. |
| 11.2 On Skin | Heated material may cause burns. |
| 11.3 By Inhalation | When heated emits fumes that irritate the respiratory system. |
| 11.4 By Ingestion | Low order of acute toxicity. |

12.0 ECOLOGICAL INFORMATION

12.1 Environmental Assessment	When used and disposed of as intended, no adverse environmental effects are foreseen.
12.2 Mobility	Insoluble in water.
12.3 Persistence and Degradability	Not readily biodegradable, but is inherently biodegradable.
12.4 Bioaccumulative Potential	Not known.
12.5 Ecotoxicity	Not expected to be ecotoxic to fish/daphnia/algae.

13.0 DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national regulations

13.1 Unused product	Dispose of in an approved manner.
13.2 Used/Contaminated Product	Dispose of in an approved manner.
13.3 Packaging	The method of disposal must be acceptable to the local authority.

14.0 TRANSPORT INFORMATION

14.1 Not classified as hazardous under transport regulations.

15.0 REGULATORY INFORMATION

Not subject to labelling in accordance with EEC directives.
Handle in accordance with good industrial hygiene and safety practice.

16.0 OTHER INFORMATION

The information contained herein is based on the current state of our knowledge. It is not a sales specification or an indication of suitability for a particular use. Recipients of our products must take responsibility for observing existing laws and regulations.