

Permafex B Gun Grade RESIN

HEALTH & SAFETY
DATASHEET ISSUE 1.1
12 MAY 2008

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY

PRODUCT NAME: Permafex B Gungrade Resin

MANUFACTURER: Permaban Limited
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Ivybridge
Devon
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EMERGENCY: 999 or 112

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS: AMORPHOUS SILICA 1-10%
CAS: 7631-86-9

3. HAZARDS IDENTIFICATION

4. FIRST AID MEASURES

GENERAL: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

INHALATION: Move to fresh air. Consult a doctor after significant exposure. Oxygen or artificial respiration if needed.

INGESTION: If swallowed, seek medical advice immediately and show this container or label. Drink plenty of water. Ingest immediately about 350 ml (5 ml/kg body weight) of activated charcoal slurry. Do not induce vomiting. Never give anything by mouth to an unconscious person. Note: To prepare activated charcoal slurry, mix thoroughly 50g of activated charcoal in 400 ml (about 2 cups) water.

SKIN CONTACT: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions seek medical advice.

EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:
Recommended: Carbon dioxide (CO₂), foam, dry chemical, water spray.
Do NOT use: Water Jet.

RECOMMENDATIONS:
Fire produces irritant fumes.
In the event of fire, wear self-contained breathing apparatus.

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6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Remove all sources of ignition. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid subsoil penetration. Prevent product from entering drains. Do not allow material to contaminate ground water system. Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approximately one hour transfer to waste container and do not seal (evolution of CO₂!).

7. HANDLING & STORAGE

HANDLING:

Avoid contact with skin and eyes. Ensure adequate ventilation or exhaust ventilation in the working area. Do not smoke.

STORAGE:

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Do not store together with food, feedstuffs, fertilizers and other sensitive materials.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE LIMIT(S):

AMORPHOUS SILICA - TWA(mg/m³): 6

ENGINEERING MEASURES:

Ensure adequate ventilation, especially in confined areas.

OCCUPATIONAL EXPOSURE CONTROLS:

Keep away from food, drink and animal feeding stuffs.

RESPIRATORY PROTECTION:

Respiratory protection required in insufficiently ventilated working areas and during spraying. Wear respirator with dust filter during machining of slab.

HAND PROTECTION:

Rubber gloves PVC or other plastic material gloves.

EYE PROTECTION:

Face-shield OR tightly fitting safety goggles.

SKIN PROTECTION:

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Grey paste

ODOUR: Slight

10. STABILITY & REACTIVITY

Stable under normal conditions.

Avoid excessive heat, flames and sparks. Avoid acids & oxidising agents. Keep away from acids and oxidising agents. Fire will produce carbon monoxide, carbon oxides and nitrogen oxides (NO_x).

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11. TOXICOLOGICAL INFORMATION

Prolonged skin contact may cause skin irritation.

12. ECOLOGICAL INFORMATION

Not inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

Can be incinerated, when in compliance with the Environment Protection Act 1990 (Process Guidance Note IPR5/1)

DISPOSE OF IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS

Further information on disposal methods and contractors is available from the National Association of Waste Disposal Contractors tel: 0207 824 8882/fax: 0207 824 8753.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

16. OTHER INFORMATION

IT SHOULD BE NOTED THAT THIS PRODUCT IS INTENDED FOR USE WITH A HARDENER DESIGNATED BY ROBNOR RESINS. THE CORRESPONDING SAFETY DATA FOR THAT HARDENER MUST BE STUDIED ALONG WITH THE DATA ON THIS SHEET PRIOR TO USE. USING HARDENERS WHICH HAVE NOT BEEN SUPPLIED AND/OR RECOMMENDED BY ROBNOR RESINS FOR USE WITH THIS PRODUCT IS POTENTIALLY HAZARDOUS AND SHOULD NOT BE CONTEMPLATED.

Safety instructions and operating procedures for specified tasks must be written, communicated and enforced.

These will include:

**Provision of hazard information and training of personnel based on operating procedures and safety data sheets, together with instructions on how to avoid exposure.

**Assessment of the risk of exposure and contact after all reasonable practical steps have been taken to avoid exposure, selection of suitable personal protective equipment and implementation of an appropriate programme.

**Provision of facilities for washing, storage of clothing and skin care and promotion of their use.

**Close supervision to identify failure in the performance of process controls or in following operating instructions, the occurrence of irritation and inadequate use of personal protective equipment. Assessment should also be made of the need for industrial personal hygiene and medical surveillance, and provision of appropriate services.

Occupational dermatitis contracted during exposure to resin systems is a reportable disease under Schedule 3 of the RIDDOR regulations (UK). Form F2508A available from the HSE should be used for such notification.

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It is a statutory requirement that Medical Supervision is carried out when using products which can cause an identifiable disease, there is reasonable likelihood that the disease may occur under the particular conditions of work and there are valid techniques for detecting indications of the disease.

The Safety Data Sheet was compiled using information gathered concerning its individual components. No synergistic effects are known to us but we cannot exclude the existence of such effects.

If this product is to be machined in any way then the toxicological information in Section 11 and the information concerning respiratory protection in Section 8 should be noted.

