

SAFETY DATA SHEET

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

Product name: **Repairite Ceramic Activator**
 Supplier: MMP-International, Division
 of ITW Ltd.
 Brunel Close, Park Farm
 Ind Est,
 Wellingborough, Northants,
 NN8 6QX

Emergency telephone number: +44 (0) 1933 670870
 Fax No: +44 (0) 1933 670800

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
BENZYL ALCOHOL	100-51-6	603-057-00-5	Xn; R20/22	20-50
DIETHYLENETRIAMINE	111-40-0	612-058-00-X	Xn; R21/22 C; R34 R43	1-10

3. HAZARDS IDENTIFICATION

Most important hazards: Corrosive
 Specific hazards: Moderate skin irritation, Severe eye irritation, Irritating to respiratory system. sensitizing.

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance.
 Inhalation: Move to fresh air. Call a physician immediately.
 Skin contact: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
 Eye contact: Rinse immediately with plenty of water and seek medical advice.
 Ingestion: Corrosive, Do not induce vomiting. Drink plenty of water. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon Dioxide (CO₂), Water spray, dry chemical.
 Extinguishing media which must not be used for safety reasons:
 High volume water jet.
 Specific hazards: In case of fire and/or explosion do not breathe fumes.
 Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus.
 Specific methods: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. Use personal protective equipment. Ensure adequate ventilation.
 Environmental precautions: Do not let product enter drains.
 Methods for cleaning up: Soak up with inert absorbent material. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing.
 Storage: Keep in a dry, cool place.

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REF: R3

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40):

BENZYL ALCOHOL no data available

DIETHYLENETRIAMINE 4.3mg/m3

Engineering measures to reduce exposure Ensure adequate ventilation, especially in confined areas.

- Respiratory protection: No personal respiratory protective equipment normally required, In case of insufficient ventilation wear suitable respiratory equipment.

- Hand protection: solvent-resistant gloves.

- Eye protection: safety glasses with side-shields.

- Skin and body protection: Wear as appropriate.

Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Do not smoke. General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid Colour: black Odour: amine-like

pH: (50 g/l H₂O) 11

Boiling point/range: >200 °C

Flash point: 93 °C

- upper 1.07

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Prolonged heating at temperatures above 50°C.

Materials to avoid: strong acids and oxidizing agents.

Hazardous decomposition products: Carbon monoxide, nitrogen oxides (NO_x), ammonia.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50/oral/rat = 1080 mg/kg
LD50/dermal/rabbit = 1090 mg/kg

Sensitization: Causes sensitization.

12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains.

Other information: Formulated product - not applicable.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Solidify unexposed surplus and dispose of together with processed material as cured plastic waste.

Contaminated packaging: In accordance with local and national regulations

European waste Catalogue No: **08 04 99**

14. TRANSPORT INFORMATION

Proper shipping name: Corrosive liquids, n.o.s (Diethylenetriamine)

UN-No: 1760

ADR/RID Class: 8

HI/UN No: 1760

IMO Class: 8

MFAG: III

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15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations
93/21/EEC

- Contains: DIETHYLENETRIAMINE, BENZYL ALCOHOL
- Symbol(s):



Xi - Irritant

Corrosive

R -phrase(s): R34 - Causes burns. R20/22 - Also harmful by inhalation and if swallowed.

S -phrase(s): S 1/2 - Keep locked-up and out of reach of children. S22 - Do not breathe dust. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components

Revision date: 02/08/2002

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication