

## SAFETY DATA SHEET

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

Product name: **Gripfast / Gripfast Zero-Base**

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 %
Bisphenol A/F (Epichlorhydrin)	40216-08-8	603-074-00-8	Xi; R36/38, R43	30-60
Hexanediol Diglycidyl Ether	16096-31-4		Xi; R36/38, R43	5-15
Di Butyl Phthalate	84-74-2	201-557-4	Xn; R62-63	10-20

## 3. HAZARDS IDENTIFICATION

Most important hazards: Irritating to eyes and skin.

Specific hazards May cause sensitization by skin contact.

## 4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes.

Inhalation: Move to fresh air. Consult a physician after significant exposure.

Skin contact: Remove immediately adhering matter, Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: Rinse mouth, Do not induce vomiting, Call a physician immediately. If a person vomits when lying on his back, turn over on his side.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: dry powder, foam, Carbon Dioxide (CO<sub>2</sub>)

Extinguishing media which must not be used for safety reasons:

High volume water jet.

Specific hazards: Burning produces irritant fumes.

Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus, protective suit

Specific methods: Standard procedure for chemical fires

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Do not contaminate water. Avoid subsoil penetration.

Methods for cleaning up: Dam up, Scrape up, Soak up with inert absorbent material, Transfer to covered steel drums.

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## 7. HANDLING AND STORAGE

**Handling:** Use only in well-ventilated areas. Keep away from heat and sources of ignition.  
General industrial hygiene practice.

**Storage:** Keep containers tightly closed in a cool, well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Bisphenol A/F (Epichlorhydrin)

Hexanediol Diglycidyl Ether

Di Butyl Phthalate

5mg/m<sup>3</sup>

**Engineering measures to reduce exposure**

- **Respiratory protection:** No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.
  - **Hand protection:** Solvent-resistant gloves (butylrubber)
  - **Eye protection:** safety glasses with side-shields, goggles.
  - **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:** brown      **Odour:** mild  
g/l H<sub>2</sub>O)

**Boiling point/range:** >200 °C

**Flash point:** >100 °C

**Vapour pressure:** 1 m bar

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

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

**Materials to avoid:** strong acids and strong bases, and oxidizing agents (strong)

**Hazardous decomposition products:** carbon oxides, aldehydes.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Epoxy constituents: LD<sub>50</sub>/oral/rat = 30g/Kg  
LD<sub>50</sub>/dermal/rabbit = > 20 ml/Kg  
LC<sub>50</sub>/inhalation/4h/rat = fatality = 0

**Local effects:** Moderate skin irritation

**Sensitization:** May cause sensitization by skin contact.

**Long term toxicity:** Components of the product may be absorbed into the body by inhalation and ingestion.. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Do not contaminate water. Do not let product enter drains.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Solidify unexposed surplus and dispose of together with processed material as cured plastic waste - In accordance with local and national regulations

**Contaminated packaging:** In accordance with local and national regulations

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European waste Catalogue No: 08 04 99

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14. TRANSPORT INFORMATION

Proper shipping name: Not classified as dangerous in the meaning of transport regulations: UN, ADR/RID, IMO & IATA/ICAO.

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15. REGULATORY INFORMATION

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

- Contains: BISPHENOL A/F EPOXY RESIN

- Symbol(s):



Xi

R -phrase(s): R43 - May cause sensitization by skin contact. R36 - Irritating to eyes. R38 - Irritating to skin.

S -phrase(s): S28 - After contact with skin, wash immediately with plenty of water. S37/39 - Wear suitable gloves and eye/face protection.

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16. OTHER INFORMATION

Recommended use: Adhesives.

Recommended restrictions:

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

Revision date: 12/07/2002

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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