

## SAFETY DATA SHEET

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

Product name: **Gripfast / Gripfast Zero - 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 %
POLYAMINO-AMINE			Ci; R21/22, R34, Xi; R43, R50	60-80
CYCLOALIPHATIC AMINE	25154-52-3		C; R21/22, R34, Xi; R43	25-50

## 3. HAZARDS IDENTIFICATION

Most important hazards: Corrosive.

Specific hazards Harmful in contact with skin and if swallowed.

## 4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air Consult a physician.

Skin contact: Wash off immediately with soap and plenty of water.

Eye contact: Wash off immediately with plenty of water for at least 15 minutes Consult a physician.

Ingestion: Do not induce vomiting Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

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

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

Specific methods: Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

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. Do not smoke, Keep away from food and drink.

Storage: Store at room temperature in the original container. Keep container tightly closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

POLYAMINO-AMINE

CYCLOALIPHATIC AMINE

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

REF: M9

Engineering measures to  
reduce exposure

- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection: nitrile rubber gloves.
- Eye protection: safety glasses with side-shields.
- Skin and body protection: complete suit protecting against chemicals.

Hygiene measures: When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	Colour:	Coloured	Odour:	ammoniacal
	g/l H <sub>2</sub> O)				
Boiling point/range:	>100	°C			
Flash point:	>100	°C			
Vapour pressure:	1 m Bar	mm Hg	( 20 °C)		
Relative density:	- lower	1.0g per c.c			

#### 10. STABILITY AND REACTIVITY

Materials to avoid: strong acids and oxidizing agents

Hazardous decomposition products: nitrogen oxides (NO<sub>x</sub>), Carbon monoxide, Carbon Dioxide (CO<sub>2</sub>), Ammonia.

#### 11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50/oral/rat = >1.05 ml/kg.

Local effects: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

Sensitization: Irritating to eyes and skin.

#### 12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains.

#### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

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 (Polyamino Amine)

UN-No: 1760

ADR/RID Class: 8

HI/UN No: 1760

IMO Class: 8 Packing group : III

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

ICAO Class: 8 UN/ID No: 1760

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

#### 15. REGULATORY INFORMATION

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

- Contains: POLYAMINO-AMINE, CYCLOALIPHATIC AMINE.

- Symbol(s):



Corrosive

R -phrase(s): R21/22 - Also harmful in contact with skin and if swallowed. R34 - Causes burns.  
R43 - May cause sensitization by skin contact.

S -phrase(s): S26 - In case of contact with eyes, rinse immediately with plenty of water and seek  
medical advice. S28 - After contact with skin, wash immediately with plenty of  
water. S36/37/39 - Wear suitable protective clothing, gloves and eye/face  
protection.

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#### 16. OTHER INFORMATION

Recommended use:

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