

SAFETY DATA SHEET

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

Product name: **Griptec Extra Clear - 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 %
CYCLOALIPHATIC AMINE	Preparation		C	30-60
ISOPHORONE DIAMINE	2855-13-2	612-067-00-9	Xn; R21/22 C; R34 R43	10-20
BENZYL ALCOHOL	100-51-6	603-057-00-5	Xn; R20/22	20-40

3. HAZARDS IDENTIFICATION

Most important hazards: Corrosive.

Specific hazards Irritating to eyes, respiratory system and skin.

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, foam, Carbon Dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

High volume water jet.

Specific hazards: nitrogen oxides (NO_x) may be formed.

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: 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.

Product name: **Griptec Extra Clear -
Activator**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

CYCLOALIPHATIC AMINE	no data available
ISOPHORONE DIAMINE	no data available
BENZYL ALCOHOL	no data available

Engineering measures to reduce exposure

- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection: protective 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 ₂ O)				
Boiling point/range:	>200	°C			
Flash point:	113	°C			
Melting point/range:	<0	°C			
Autoignition temperature:	435	°C			
Vapour pressure:	<66.6 Pa	mm Hg	(20 °C)		
Relative density:	- lower	1.0 g/c.c			
Water solubility	<5%				

10. STABILITY AND REACTIVITY

Materials to avoid: strong acids and strong bases, and oxidizing agents

Hazardous decomposition products: nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD₅₀/oral/rat = >1.14 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

UN-No: 2289

ADR/RID Class: 8

HI/UN No: 2289

IMO Class: 8

Packing group : III

Proper shipping name: Corrosive liquids, n.o.s

Product name: Griptec Extra Clear -
Activator

PAGE: 3 of 3
PRINT DATE: 30/07/2002
REF: M35

ICAO Class:	8	UN/ID No:	2289
Proper shipping name	Corrosive liquids, n.o.s		

15. REGULATORY INFORMATION

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

- Contains: ISOPHORONE DIAMINE, CYCLOALIPHATIC AMINE, BENZYL ALCOHOL .

- Symbol(s):



Corrosive

R -phrase(s): R20 - Also harmful by inhalation. 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.

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

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