## SAFETY DATA SHEET

PAGE: 1 of 3 PRINT DATE: 29/07/2002 REF: M11

Supplier:       MMP-International, Division of ITW Ltd.         Brunel Close, Park Farm Ind Est, Weilingborough, Northants, NNB 60X         Emergency telephone number:       +44 (0) 1933 670800         2. COMPOSITION/INFORMATION ON INGREDIENTS Identification of the preparation Chemical Name       CAS-No         Chemical Name       CAS-No         Chemical Name       CAS-No         Chemical Name       CAS-No         Chemical Name       CAS-No         Specific hazards:       Harmful if swallowed.         Specific hazards:       May cause sensitization by skin contact.         4. FIRST AID MEASURES       Inhalation:         Inhalation:       Move to fresh air. Consult a physician.         Skin contact:       Wash of immediately with soap and plenty of water.         Eye contact:       Rinse theroughty with plenty of water. Never give anything by mouth to an unconsclous person. Consult a physician.         Ingestion:       Do not induce vermiting. Drink plenty of water. Never give anything by mouth to an unconsclous person. Consult a physician.         5. FIRE-FIGHTING MEASURES       In case of fire, wear a self contained breathing apparatus         Specific hazards:       standard procedure for chemical fires.         6. ACCIDENTAL RELEASE MEASURES       In case of fire, wear a self contained breathing apparatus         Specific hazards:       Standard procedure for	Product name:		Griptec Ex	Griptec Extra - Activator				
Ind Est, Willingborough, Northants, NNB 60X 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 MODIFIED EPOXY AMINE ADDUCT Xn; R22, R36/38 10-20 3. HAZARDS IDENTIFICATION Most important hazards: Harmful if swallowed. Specific hazards May cause sensitization by skin contact. 4. FIRST AID MEASURES Inhalation: Move to fresh air. Consult a physician. Skin contact: Wash off immediately with scap and plenty of water. Eye contact: Wash off immediately with scap and plenty of water. Eye contact: Wash off immediately with scap and plenty of water. Eye contact: Rines thoroughly with plenty of water for at least 15 minutes and consult a physician. Ingestion: Do not induce womiting. Drink plenty of water Rever give anything by mouth to an unconsclous person. Consult a physician. 5. FIRE-FIGHTING MEASURES Suitable extinguishing media: Specific hextards: carcton oxides and nitrogen oxides (NOX). Ammonia. 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 aborbent material (eg. sand, silica gel, acid inder, universal binder, sawdust). 7. HANDLING AND STORAGE Handling: Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and inder, universal binder, sawdust). 7. HANDLING AND STORAGE Handling: Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and inder, universal binder, sawdust). 7. HANDLING AND STORAGE Handling: Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and inder. 6. EXPOSURE CONTROLS / PERSONAL PROTECTION Chemical Name: Mational occupational exposure limits (Ref: British COSHH - EH40): No data available Engineering measures to	Supplier:							
Wellingborough, Northants, NN8 60X         Emergency telephone number:       +44 (0) 1933 670870         Fax No:       -44 (0) 1933 670870         Fax No:       -44 (0) 1933 670870         COMPOSITION/INFORMATION ON INGREDIENTS       Identification of the preparation         Chemical Name       CAS-No       EEC-No       Class       Weight         MODIFIED EPOXY AMINE ADDUCT       Xn: R22, R36/38       10-20         3. HAZARDS IDENTIFICATION       May cause sensitization by skin contact.       10-20         3. HAZARDS IDENTIFICATION       May cause sensitization by skin contact.       10-20         3. HAZARDS IDENTIFICATION       May cause sensitization by skin contact.       10-20         3. HAZARDS WES       Inhalation:       Move to fresh air. Consult a physician.       10-20         Sin contact:       Wash off Immediately with soap and plenty of water.       Eye contact:       Rines thoroughly with plenty of water for at least 15 minutes and consult a physician.         Ingestion:       Do not induce ventiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.         Specific hazards:       carbon oxides and nitrogen oxides (NOX). Armonia.         Specific nethods:       Standard procedure for chemical fires.         6. ACCIDENTAL RELEASE MEASURES       Standard procedure for chemical fires.				Farm				
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Fax No:       : 444 (0) 1933 670800         2. COMPOSITION/INFORMATION ON INGREDIENTS Identification of the preparation Chemical Name       CAS-No       EEC-No       Class       Weight             Xn: R22, R36/38       10-20         3. HAZARDS IDENTIFICATION Most important hazards:       Harmful if swallowed.             Specific hazards       May cause sensitization by skin contact.       10-20         3. HAZARDS IDENTIFICATION Most important hazards:       May cause sensitization by skin contact.       In-20         4. FIRST AID MEASURES Inhalation:       May cause sensitization by skin contact.       In-20         5. FIRE-FIGHTING MEASURES Suitable extinguishing media:             Specific hazards:       Insee thoroughly with genty of water. Never give anything by mouth to             an unconsclous person. Consult a physician.         5. FIRE-FIGHTING MEASURES Suitable extinguishing media:             Specific hazards:       carton oxides and nitrogen oxides (NOX). Ammonia.             Specific hazards:       carton oxides and nitrogen oxides (NOX). Ammonia.             Specific methods:       Standard procedure for chemical fires.         6. ACCIDENTAL RELEASE MEASURES Personal protective equipment for firefighters:       Do not let product enter drains.             Methods for cleaning up:             Soak up with inert absorbent material (e.g. sand, silica gel, acid             binder, universal binder, sawdust).       The ANDLING AND STORAGE Handling:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and             Immediately after handing the product.             Storage:								
2. COMPOSITION/INFORMATION ON INGREDIENTS Identification of the preparation Chemical Name MODIFIED EPOXY AMINE ADDUCT 3. HAZARDS IDENTIFICATION Most important hazards: Harmful if swallowed. Specific hazards May cause sensitization by skin contact. 4. FIRST AID MEASURES Inhalation: Move to fresh air. Consult a physician. Skin contact: Wash off immediately with soap and plenty of water. Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Ingestion: Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. 5. FIRE-FIGHTING MEASURES Suitable extinguishing media: Specific hazards: carbon oxides and nitrogen oxides (NOx). Ammonia. Specific hazards: carbon oxides and nitrogen oxides (NOx). Ammonia. 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 (e.g. sand, silica gel, acid tinder, universal binder, savdust). 7. HANDLING AND STORAGE Handling: Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. 8. EXPOSURE CONTROLS / PERSONAL PROTECTION Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40): MODIFIED EPOXY AMINE ADDUCT no data available Engineering measures to		r: +44 (0) 1933 670	+44 (0) 1933 670870					
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Chemical Name       CAS-No       EEC-No       Class       Weight         MODIFIED EPOXY AMINE ADDUCT       Xn: R22, R36/38       10-20         3. HAZARDS IDENTIFICATION       Most important hazards:       Harmful if swallowed.       Specific hazards       May cause sensitization by skin contact.       Intervention of the state o	2. COMPOSITION/INF	ORMATION	I ON INGREDIENTS					
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Most important hazzrs:       Harmful if swallowed.         Specific hazards       May cause sensitization by skin contact.         4. FIRST AID MEASURES       Move to fresh air. Consult a physician.         Skin contact:       Wost offirmediately with soap and plenty of water.         Eye contact:       Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.         Ingestion:       Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.         5. FIRE-FIGHTING MEXSURES       Suitable extinguishing media:         Specific hazards:       carbon oxides and nitrogen oxides (NOX). Ammonia.         Specific methods:       Standard procedure for chemical fires.         6. ACCIDENTAL RELEASE MEASURES       Do not let product enter drains.         Methods for cleaning up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STOREE       Methods for cleaning up:         Handling:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTELS / PERSULA PROTECTION       Chemical Name:       National occupational exposure limits         MobiFIED EPOXY AMINE ADDUCT       No data available	MODIFIED EPOXY AMIN				Xn; R22, R36/38	10-20		
Most important hazzrs:       Harmful if swallowed.         Specific hazards       May cause sensitization by skin contact.         A. FIRST AID MEASURES       Inhalation:       Move to fresh air. Consult a physician.         Skin contact:       Wash off immediately with soap and plenty of water.         Eye contact:       Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.         Ingestion:       Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.         5. FIRE-FIGHTING MEXSURES       Suitable extinguishing media:         Specific hazards:       carbon oxides and nitrogen oxides (NOX). Ammonia.         Specific methods:       Standard procedure for chemical fires.         6. ACCIDENTAL RELEXE MEASURES       Do not let product enter drains.         Methods for cleaning up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STOREE       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         8. EXPOSURE CONTEXTEXTURE steres tightly closed in a dry, cool and well-ventilated place.       Sec Siries (Ref: British COSHH - EH40):         8. EXPOSURE CONTEXTEXTEXTEXTURE steres tightly closed in a dry, cool and well-ventilated place.       Methods for cleaning up: the single product.         8. EXPOSURE CONTEXTEXTEXTEXTEXTEXTEXTEXTEXTEXTEXTEXTEXT								
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Skin contact:       Wash off immediately with soap and plenty of water.         Eye contact:       Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.         Ingestion:       Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.         5. FIRE-FIGHTING MEASURES       Suitable extinguishing media:         Specific hazards:       carbon oxides and nitrogen oxides (NOX). Ammonia.         Specific methods:       Standard procedure for chemical fires.         6. ACCIDENTAL RELEASE MEASURES       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 (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STORAGE       Handling:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTROLS / PERSUNAL PROTECTION       (Ref: British COSHH - EH40):         MODIFIED EPOXY AMINE ADDUCT       no data available								
Eye contact:       Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.         Ingestion:       Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.         5. FIRE-FIGHTING MEASURES       Suitable extinguishing media:         Specific hazards:       carbon oxides and nitrogen oxides (NOX). Ammonia.         Specific natards:       carbon oxides and nitrogen oxides (NOX). Ammonia.         Specific methods:       Standard procedure for chemical fires.         6. ACCIDENTAL RELEXE MEASURES       In case of fire, wear a self contained breathing apparatus         Specific methods:       Standard procedure for chemical fires.         6. ACCIDENTAL RELEXE MEASURES       Do not let product enter drains.         Methods for cleaning up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STORAGE       Handling:         Handling:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep contaliers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTREC / PERSONAL PROTECTION       Mational occupational exposure limits       (Ref: British COSHH - EH40):         MODIFIED EPOXY AMINE ADDUCT       No data available       no data available								
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Specific hazards:       carbon oxides and nitrogen oxides (NOX). Ammonia.         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       Use personal protective equipment.         Personal precautions:       Use personal protective equipment.         Environmental precautions:       Do not let product enter drains.         Methods for clearing up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STORAGE       Handling:         Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTECTS VERSURATION Chemical Name:       National occupational exposure limits (Ref: British COSHH - EH40):         MODIFIED EPOXY AMINE ADDUCT       no data available	5. FIRE-FIGHTING M	EASURES						
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       Use personal protective equipment.         Personal precautions:       Use personal protective equipment.         Environmental precautions:       Do not let product enter drains.         Methods for cleaning up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STORAGE       Handling:         Handling:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTECLS / PERSUNAL PROTECTION       Mational occupational exposure limits (Ref: British COSHH - EH40):         MODIFIED EPOXY AMINE ADDUCT       no data available         MODIFIED EPOXY AMINE ADDUCT       no data available	Suitable extinguish	ing media:						
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 (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STORAGE         Handling:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTECTON       National occupational exposure limits EH40):         MODIFIED EPOXY AMINE ADDUCT       National occupational exposure limits EH40:         MODIFIED EPOXY AMINE ADDUCT       no data available	•							
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Personal precautions:       Use personal protective equipment.         Environmental precautions:       Do not let product enter drains.         Methods for cleaming up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STRATE       Handling:         Methods for cleaming up:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediate/ rhandling the product.         Storage:       Keep contact with skin, eyes and clothing. Wash hands and face before breaks and fimmediate/ storage.         8. EXPOSURE CONSTRUET       Keep contact with skin, eyes and clothing. Wash hands and face before breaks and fimmediate/ storage.         MODIFIED EPOXY AWINE       National occupational exposure limits for British COSHH - EHENGE.         MODIFIED EPOXY AWINE ADDUCT       no data available	Specific methods:	Standar	d procedure for chemical	ires.				
Environmental precautions:       Do not let product enter drains.         Methods for cleaning up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STORAGE       Handling:         Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTROLS / PERSONAL PROTECTION         Chemical Name:       National occupational exposure limits EH40):         MODIFIED EPOXY AMINE ADDUCT       no data available	6. ACCIDENTAL RELE	EASE MEAS	URES					
Methods for cleaning up:       Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).         7. HANDLING AND STORAGE         Handling:       Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTROLS / PERSONAL PROTECTION       National occupational exposure limits EH40):         MODIFIED EPOXY AMINE ADDUCT       no data available         MODIFIED EPOXY AMINE ADDUCT       no data available	Personal precautio	Use personal protective	e personal protective equipment.					
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immediately after handling the product.         Storage:       Keep containers tightly closed in a dry, cool and well-ventilated place.         8. EXPOSURE CONTROLS / PERSONAL PROTECTION         Chemical Name:       National occupational exposure limits EH40):         MODIFIED EPOXY AMINE ADDUCT       no data available         Engineering measures to	7. HANDLING AND S	TORAGE						
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Chemical Name:       National occupational exposure limits EH40):       (Ref: British COSHH - no data available         MODIFIED EPOXY AMINE ADDUCT       no data available         Engineering measures to       no data available	Storage:	Keep containers tightly closed in a dry, cool and well-ventilated place.						
EH40):     NODIFIED EPOXY AMINE ADDUCT     no data available       Engineering measures to     Note: 100 - 1	8. EXPOSURE CONTR	Rols / Per	SONAL PROTECTION	I				
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	MODIFIED EPOXY AMIN	IE ADDUCT		no data available				
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**PRINT DATE: 29/07/2002** Product name: **Griptec Extra - Activator REF:** M11 **Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment Hand protection: Solvent-resistant gloves (butylrubber) Eye protection: safety glasses with side-shields Skin and body protection: lightweight protective clothing Hygiene measures: Wash hands before breaks and immediately after handling the product 9. PHYSICAL AND CHEMICAL PROPERTIES Odour: Colour: Coloured ammoniacal Form: liquid g/I H2O) Boiling point/range: >100 °C Flash point: None °C **Relative density:** - lower 1.3 g/cm3 **10. STABILITY AND REACTIVITY** Materials to avoid: strong acids and strong bases, and oxidizing agents Hazardous decomposition products: carbon oxides. **11. TOXICOLOGICAL INFORMATION** Acute toxicity: LD50/oral/rat = <511 mg/kg Sensitization: May cause sensitization by skin contact. **12. ECOLOGICAL INFORMATION** Mobility: Do not let product enter drains. **13. DISPOSAL CONSIDERATIONS** Waste from residues / unused products: In accordance with local and national regulations. Contaminated packaging: **European waste Catalogue No:** 08 04 99 **14. TRANSPORT INFORMATION** Proper shipping name: Not classified as dangerous in the meaning of transport regulations: UN, ADR/RID, IMO & IATA/ICAO. **15. REGULATORY INFORMATION** Classification according to European directive on classification of hazardous preparations 93/21/EEC - Contains: **EPOXY AMINE ADDUCT** - Symbol(s): Xn -Harmful. R -phrase(s): R22 - Also harmful if swallowed. R41 - Risk of serious damage to eyes. S -phrase(s): S25 - Avoid contact with eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 - Wear suitable 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** 

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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