Material Safety Data Sheet

MINOVA

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

Product Name : **MULTI PERMANENT FIX**

Application : Anchoring grout.

Company : Minova RSA

Address : P.O. Box 52, Isando, 1600.

Telephone : (011) 908-1980 **Telefax** : (011) 864-4311

2. COMPOSITION / INFORMATION ON INGREDIENTS

Composition : Hydraulic Cements, PFA, additives.

Hazardous Ingredient(s)	:	**Symbol**	**Risk Phrases**	**Other Information**	**%**
Cement Hydraulic		Xi	R36/37/38	Cas No.: ----------	>25<50%
Pulverised Fuel Ash			*See Section 8	Cas No.: ----------	>25<50%

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.
Refer to Section 8 for Occupational Exposure Limits.

3. HAZARDS IDENTIFICATION

Long term skin contact may cause health problems.

4. FIRST AID MEASURES

Eyes : Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.

Skin : Wash immediately with copious quantities of water. Obtain medical advice if skin disorders develop.

Inhalation : Remove from exposure. If feeling unwell obtain medical attention.

Ingestion : Wash out mouth with water. **DO NOT** induce vomiting. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media : This product is non-combustible, use extinguishing media appropriate to surrounding fire.

Special Exposure Hazards : None.

Special Protective Equipment : None.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	:	Wear rubber boots in addition to the recommended protective clothing.
Environmental Precautions	:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures	:	Avoid the creation of dust in atmosphere. Gather into containers. Residues may be flushed to drain with large volumes of water. Prior consent must be obtained from the local Water Company if discharged to sewer.

7. HANDLING AND STORAGE

Handling	:	Avoid creating dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.
Storage	:	Store in a cool, dry area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits	:-	None assigned.
Engineering Control Measures	:	Use only in well ventilated areas. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.
Personal Protective Equipment	:	Impervious gloves (eg PVC). Goggles / Safety Glasses. Approved dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Powder supplied in capsule skin.
Colour	:	Grey.
Odour	:	Odourless.
pH (working dilution)	:	>10.
Boiling Point / Range (°C)	:	Not applicable.
Flash Point (closed, °C)	:	None.
Autoflammability (°C)	:	Not applicable.
Oxidising Properties	:	Not determined.
Relative Density (at 20°C)	:	1.5. (Loose bulk)
Water Solubility	:	Partially soluble.

10. STABILITY AND REACTIVITY

Stability	:	Stable.
Conditions to avoid	:	Exposure to air. Contamination with water.
Materials to avoid	:	Strong acids.
Hazardous Decomposition Products	:	None.

11. TOXICOLOGICAL INFORMATION

Health Effects

On Eyes	:	May cause transient irritation.
On Skin	:	May cause transient irritation.
By Inhalation	:	May cause transient irritation.
By Ingestion	:	May cause irritation of mouth, throat and digestive tract.
Chronic	:	Repeated and prolonged skin contact may lead to skin disorders.

12. ECOLOGICAL INFORMATION

Environmental Assessment	:	Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant.
Mobility	:	Partially soluble in water.
Persistence and Degradability	:	Not readily biodegradable.
Bioaccumulative Potential	:	Not expected to be bioaccumulative.
Ecotoxicity	:	Not expected to be ecotoxic to fish / daphnia / algae.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product	:	Disposed of in an approved manner.
Used/Contaminated Product	:	As for Unused product.
Packaging	:	The method of disposal must be acceptable to the local authority.

14. TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15. REGULATORY INFORMATION

Hazard Label Data :-

This product is NOT classified as dangerous for supply in the UK.

Safety Phrases	:	Avoid contact with skin and eyes. Wear suitable gloves and eye / face protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water.
EC Directives	:	Dangerous Substances Directive, 67/548/EEC and adaptations. Dangerous Preparations Directive, 88/379/EEC. Safety Data Sheets Directive, 91/155/EEC.
Statutory Instruments	:	Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092). Health & Safety at Work etc. Act 1974. Control of Substances Hazardous to Health Regs. 1994 (SI 3246).
Codes of Practice	:	Waste Management. The Duty of Care.
Guidance Notes	:	Occupational skin diseases : Health and Safety Precautions (EH 26). Dust in the workplace : general principles of protection (EH 44). Occupational exposure limits (EH 40).

16. OTHER INFORMATION

Minova RSA is an ISO 9002 accredited company.

The data advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Minova RSA.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.