

MATERIAL SAFETY DATA SHEET

SEPT 2004
Revision 02

Thor Helical Ltd,
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Tel: 023 9248 6566

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1. PRODUCT IDENTIFICATION

<u>Trade Name</u>	WHO 60
<u>Description</u>	Cement-based bonding system

2. HAZARDOUS INGREDIENTS

Component	%	Hazard Data (EEC Classification)
Cement, soluble silicates, lime etc, in various proportions	-	Xi : Recommended OES 5mg/m ³ inhalable dust (8 hour TWA)

3. HAZARD IDENTIFICATION

Irritating to eyes and skin. May cause burns.

4. EMERGENCY & FIRST AID

<u>Eyes</u> : In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
<u>Skin</u> : After contact with skin, wash immediately with soap and water (rinse well).
<u>Inhalation</u> : Remove to fresh air.
<u>Ingestion</u> : If swallowed DO NOT induce vomiting. Wash mouth/throat with plenty of clean water and seek medical advice.

5. FIRE FIGHTING MEASURES

<u>Extinguishing Media</u> : Any
<u>Special Fire Fighting Procedures</u> : None
<u>Unusual Fire Hazards</u> : None

6. HANDLING AND STORAGE

<u>Handling</u> : No special requirements.
<u>Storage</u> : Store under cover in a cool,dry place.

7. EXPOSURE CONTROL/PERSONAL PROTECTION

<u>Engineering Measures</u> : Ensure adequate ventilation when handling dry powder
<u>Personal Protection</u> : Coveralls, boots and synthetic rubber/PVC gloves.
<u>Eye Protection</u> : Goggles if dust levels high. Face shield if working overhead.
<u>Respiratory Protection</u> : A dust mask may be required if handling dry powder for prolonged periods.

8. SPILL OR LEAK PROCEDURES

Scrape or brush up all excess material avoiding production of airborne dust. Dispose of carefully.Wash the spillage area clean with water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey amorphous powder	Odour	none
pH	Highly alkaline when wet	Boiling Point	-
Melting Point	N/A	Flash Point	N/A
Flammability	Non-flammable	Autoignition Temp.	N/A
Oxidising Properties	-	Solubility in Water	< 10%
Relative Density	< 3.2	Vapour Pressure	-

10. STABILITY AND REACTIVITY

Conditions to avoid: Damp
Materials to avoid: Reacts with acids
Hazardous decomposition products: None known

12. ECOLOGICAL INFORMATION

High pH may cause local adverse effects, otherwise no known long term impact.

13. WASTE DISPOSAL

Dispose of as 'controlled waste' (Controlled Waste Regulations 1992) at a licensed site.
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11. TOXICOLOGICAL INFORMATION

Inhalation: Irritation of the respiratory tract likely if exposure standard exceeded.
Skin Contact: When mixed with water (eg sweat) may cause irritation (cement burns)
Skin Absorption: -
Eye Contact: Irritation with risk of serious damage.
Ingestion: Irritation and chemical burns due to alkali release when in contact with body fluids.
Acute Overexposure: -
Chronic Overexposure: May cause allergic contact dermatitis after prolonged or frequent skin contact.

14. TRANSPORT INFORMATION

Considered non – hazardous for transport purposes.
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15. REGULATORY INFORMATION

Hazard Classification: Not classified Risk phrase codes: R36/38 Safety phrase codes: S22,S24,S26, S37/39
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16. OTHER INFORMATION

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1. PRODUCT IDENTIFICATION

Trade Name	WHO60 PART B
Description	Water based dispersion of butadiene styrene copolymer.

2. HAZARDOUS INGREDIENTS

Component	%	Hazard Data (EEC Classification)
None	-	-

3. HAZARD IDENTIFICATION

No particular hazards known.

6. HANDLING AND STORAGE

Handling: No special precautions. Keep workplace well ventilated. Observe good housekeeping practice.

Storage: Store between +5°C and +35°C protected from frost and direct sunlight. Do not use storage vessels or pipework made of aluminium, copper or their alloys.

4. EMERGENCY & FIRST AID

Eyes: May cause temporary irritation. Irrigate with water for 15 minutes holding eyelid open. Seek immediate medical attention.
Skin: Prolonged contact may cause irritation. Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if symptoms persist.
Inhalation: Remove to fresh air. In severe cases seek medical attention.
Ingestion: May cause nausea. Seek immediate medical attention. Do not induce vomiting.

7. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Provide adequate ventilation in the workplace. Where the product is dried or sprayed, local extraction is recommended.

Personal Protection: Impervious gloves/gauntlets, coveralls.

Eye Protection: Eye protection recommended.

Respiratory Protection: If spraying product without local exhaust ventilation, wear a normal dust mask.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Any
Special Fire Fighting Procedures: None
Unusual Fire Hazards: None

8. SPILL OR LEAK PROCEDURES

Take up with absorbent material (e.g sand, kieselguhr, universal binder)
Dispose of absorbed material in accordance with Local Authority or National Waste Regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White milky liquid	Odour	faint aromatic
pH	9.0 - 11.0	Boiling Point	Ca. 100 ⁰ C
Melting Point	-	Flash Point	not applicable
Flammability	Non-flammable	Autoignition Temp.	-
Oxidising Properties	-	Solubility in Water	Fully miscible
Relative Density	0.9 - 1.1	Vapour Pressure	23 hPa @ 20 ⁰ C

10. STABILITY AND REACTIVITY

<p><u>Conditions to avoid:</u></p> <p>Extremes of temperature</p>
<p><u>Materials to avoid:</u> -</p>
<p><u>Hazardous decomposition products:</u></p> <p>None</p>

11. TOXICOLOGICAL INFORMATION

<p><u>Inhalation:</u> According to experience, this product is considered to be harmless to health if used in the correct manner.</p>
<p><u>Skin Contact:</u> -</p>
<p><u>Skin Absorption:</u> -</p>
<p><u>Eye Contact:</u> -</p>
<p><u>Ingestion:</u> -</p>
<p><u>Acute Overexposure:</u> -</p>
<p><u>Chronic Overexposure</u> -</p>

12. ECOLOGICAL INFORMATION

No evidence of bioaccumulation. DOC elimination after 2 days (OECD302B):98%. This product can be virtually eliminated from water by abiotic processes, e.g. absorption onto activated sludge. This product is not classified as Dangerous for the Environment.

13. WASTE DISPOSAL

Waste product should not be discharged into drains or waterways without treatment. Washed out packaging can be disposed as 'Controlled Waste' according to the Controlled Waste Regulations 1992.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport purposes.

15. REGULATORY INFORMATION

No special regulations apply.

16. OTHER INFORMATION