

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

PRODUCT NAME: 9010 MAX SEMEX 100

IDENTIFIED USES Expanding Grout Admixture

MANUFACTURER'S NAME: SEMITRONE CONCHEM LTD.

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Reviewed & Approved by

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2. HAZARDOUS INGREDIENTS

Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Human health Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Environmental The resultant material is not biodegradable.

Label elements

Hazard statements NC Not Classified

Contains SILICA FLOUR (100 - 325 micron)

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

SILICA SAND 60-100%

CAS number: 14808-60-7

Classification

Not Classified

Classification (67/548/EEC or 1999/45/EC)

SILICA FLOUR (100 - 325 micron) 5-10%

CAS number: 14808-60-7 EC number: 238-878-4

Classification

Eye Irrit. 2 - H319

STOT SE 3 - H335

STOT RE 2 - H373

ALUMINIUM POWDER (STABILIZED) <1%

CAS number: 7429-90-5 EC number: 231-072-3

Classification

Flam. Sol. 1 - H228

Water-react. 2 - H261

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. FIRST-AID MEASURES**Description of first aid measures**

General information	No specific recommendations. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Inhalation	Move affected person to fresh air at once.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Wash with plenty of water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

General information	No specific symptoms noted.
Inhalation	May cause respiratory irritation.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	Vapour, spray or dust may cause chronic eye irritation or eye damage.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

5. FIREFIGHTING MEASURES**Extinguishing media**

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards None known.

Advice for firefighters

Protective actions during firefighting	Wear self-contained breathing apparatus.
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Special protective equipment for firefighters	Not applicable.
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6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Avoid contact with skin and eyes.

Environmental precautions

Environmental precautions Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.

Reference to other sections

Reference to other sections For waste disposal, see Section 8.

7. HANDLING AND STORAGE

Precautions for safe handling

Usage precautions Avoid inhalation of dust and contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place.

Storage class Chemical storage.

Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

SILICA SAND

Long-term exposure limit (8-hour TWA): TWA 0.1 mg/m³ Respirable crystalline silica

SILICA FLOUR (100 - 325 micron)

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³

ALUMINIUM POWDER (STABILIZED)

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

WEL = Workplace Exposure Limit

ALUMINIUM POWDER (STABILIZED) (CAS: 7429-90-5)

DNEL Workers - Oral; Long term systemic effects: 3 mg/m³

Exposure controls

Protective equipment

Appropriate engineering Controls Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to

airborne contaminants.

Personal protection Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

Eye/face protection Wear safety glasses.

Hand protection Wear protective gloves made of the following material: Nitrile rubber.

Butyl rubber.

Other skin and body protection Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures Wash skin thoroughly after handling.

Respiratory protection Wear a suitable dust mask. Particulate filter, type P1.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Powder.

Colour Brown.

pH Not applicable.

Relative density ~ 1.12

Solubility(ies) Slightly soluble in water.

Explosive properties Not considered to be explosive.

Explosive under the influence

of a flame Not considered to be explosive.

Other information

Other information No additional information.

10. STABILITY AND REACTIVITY

Reactivity

Reactivity The following materials may react with the product: Oxidising agents. Acids. Alkalis.

Chemical stability

Stability Stable under the prescribed storage conditions.

Possibility of hazardous reactions

Possibility of hazardousThe following materials may react with the product: Acids. Alkalis. Oxidising agents.
Reactions

Conditions to avoid

Conditions to avoidAvoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents.

Incompatible materials

Materials to avoid Alkalis. Acids.

Hazardous decomposition products

Hazardous decompositionDoes not decompose when used and stored as recommended. products

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contactProlonged and frequent contact may cause redness and irritation.

Eye contact Dust in the eyes will cause irritation.

Toxicological information on ingredients.

ALUMINIUM POWDER (STABILIZED)

Skin sensitisation

Skin sensitisation Not sensitising.

12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not expected to be hazardous to the environment.

Toxicity

Toxicity Not considered toxic to fish.

Persistence and degradability

Persistence and degradability This product is not expected to be readily biodegradable.

Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Mobility in soil

Mobility Soluble in water.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Other adverse effects None known.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority

14. TRANSPORT INFORMATION

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN number

Not applicable

UN proper shipping name

Not applicable.

Transport hazard class(es)

No transport warning sign required.

Packing group

Not applicable.

Environmental hazards

Environmentally hazardous substance/marine pollutant No.

Special precautions for user

Not applicable.

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations Environmental Management and Co-ordination (Controlled Substances) Regulations 2007;
Kenya Gazette Supplement number 57
Guidance Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131

16. OTHER INFORMATION

This information is furnished without warranty, representation, inducement or license of any kind; Except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate