PRODUCT AND COMPANY IDENTIFICATION

**Product Code**  SKTMO610  
**Product Name**  Sika Monotop 610  
**Product Description**  Single component polymer modified cementitious bonding bridge and steel reinforcement primer.

**Manufacturer/Supplier**  Sika Limited  
Watchmead  
Welwyn Garden City  
Hertfordshire.  
AL7 1BQ  
tel. 01707 394444  
Fax. 01707 329129

COMPOSITION/INFORMATION ON THE COMPONENTS

<table>
<thead>
<tr>
<th>Preparation - Hazardous ingredients (Europe)</th>
<th>Concentration</th>
<th>Classification</th>
<th>Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Portland Cement</td>
<td>25.00%-50.00%</td>
<td>Xi</td>
<td>R41</td>
</tr>
<tr>
<td>2) Silica, amorphous</td>
<td>2.50%-10.00%</td>
<td>O, T</td>
<td>R8, .. R25</td>
</tr>
<tr>
<td>3) Sodium nitrite</td>
<td>0.10%-1.00%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HAZARD IDENTIFICATION

**Main Hazards**  Risk of serious damage to eyes.  
Dry cement powders in normal use have no harmful effect on the dry skin. However when cement is mixed with water or becomes damp, alkalis are released which can be harmful. Contact with wet cement or wet mortar may cause irritation, dermatitis or burns.

**Health Effects - Eyes**  Dust will cause conjunctival irritation and possibly corneal damage.

**Health Effects - Skin**  Repeated and/or prolonged contact may lead to dermatitis. Repeated or prolonged contact may cause chemical burns.

**Health Effects - Inhalation**  Exposure to dust at high concentrations may have the following effects:- irritation of nose, throat and respiratory tract.

FIRST AID MEASURES

**Eye Contact**  Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.  
Obtain medical attention urgently.

**Skin Contact**  Wash skin thoroughly with soap and water.  
Obtain medical attention if blistering occurs or redness persists.  
Contaminated clothing should be washed or dry-cleaned before re-use.

**Ingestion**  Do not induce vomiting. Wash out mouth with water.

**Inhalation**  Remove from exposure.  
In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.
SAFETY DATA SHEET
Sika Monotop 610
Date of issue - 22/03/2001.

FIRE FIGHTING MEASURES

Extinguishing Media
Not combustible.
Select extinguishing agent appropriate to other materials involved.

ACCIDENTAL RELEASE MEASURES

Personal Precautions
Wear appropriate protective clothing.

Spillages
Avoid creating a dust.
Sweep up into suitable containers for recovery or disposal.

HANDLING AND STORAGE

Handling
Avoid inhaling dust.
Exposure by inhalation or skin contact should be minimised by good
Industrial Hygiene practices.
Use in well ventilated area.

Storage
Storage area should be: cool. dry.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB
1) Portland Cement
   UK EH40: OES 10mg/m3 8h TWA. Dust, total inhalable:
   UK EH40: OES 5mg/m3 8h TWA. Dust, respirable:
2) Silica, amorphous
   UK EH40: OES 5mg/m3 8h TWA. Dust, total inhalable:
   UK EH40: OES 3mg/m3 8h TWA. Dust, respirable:

Engineering Control Measures
Use of the basic principles of Industrial Hygiene will enable this
material to be used safely.
Every effort should be made to prevent airborne dusts arising during
mixing operations.

Respiratory Protection
If limits are exceeded use an approved dust mask.

Hand Protection
Wear suitable impervious gloves.

Eye Protection
Dust tight goggles.

Body Protection
Protective clothing should be worn which ensures that cementitious
materials do not come into contact with the skin. Particular care should
be taken to ensure that wet mortar does not enter boots/footwear.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State
Powder.

Color
Grey.

Odor
None.

pH
Approx. 12 in water.

Flash Point °C
Not applicable.

Explosion Limits ( % )
Not determined.

Solubility - Water
Partially soluble.

Density (kg/m3)
Approx. 1.15. (loose) (measured as kg/litre)
STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid: Strong mineral acids.

Hazardous Decomposition Products: None known.

STABILITY AND REACTIVITY

Acute toxicity: Low order of acute toxicity.

Eye irritation: Cement is a severe eye irritant. Gross exposures or untreated mild exposures can lead to chemical burning and ulceration of the eye.

Skin irritation: Cement and/or water/cement mixtures may cause irritant contact dermatitis, allergic (chromium) dermatitis, and/or burns.

ECOLOGICAL INFORMATION

Mobility: The product is sparingly soluble in water.

Persistence/degradability: Inorganic basis, therefore non biodegradable.

Bioaccumulative potential: Product is not expected to bioaccumulate.

Ecotoxicity: The product is expected to be non-hazardous to aquatic species.

DISPOSAL

Product Disposal: As an inert material it may be disposed of via an approved solid waste disposal facility.

Container Disposal: Empty packaging may be disposed along with normal builders waste via an authorised waste contractor.

TRANSPORT INFORMATION

UN: Not classified as dangerous for transport.

ADR/RID: Not classified.

IMDG: Not classified.

IATA: Not classified.

REGULATORY INFORMATION

Label Requirements: Irritant

Risk Phrases:

- BCA recommended risk phrases: Contact with wet cement, wet concrete or wet mortar may cause irritation, dermatitis, or burns. Contact between cement powder and body fluids (e.g., sweat and eye fluid) may also cause irritation, dermatitis, or burns.
Safety Phrases
Keep out of reach of children.
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.
Wear suitable protective clothing, gloves and eye/face protection.

OTHER INFORMATION

First Issue Date 23.08.1995
Revisions Highlighted Composition/Information on the Components
Uses and Restrictions Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer’s responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.
SI 1999/437: The Control of Substances Hazardous to Health Regulations
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

UK Guidance Publications
General Approved Code of Practice to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.
EH44, Dust in the Workplace: General Principles of Protection, HSE.
EH26, Occupational Skin Diseases: Health and Safety Precautions, HSE.
CONIAC Health Hazard Information Sheet No.26 (Cement)

Footnote
The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.