**MONOPROOF AEW – 11102**

High Performance acrylic polymer modified elastomeric waterproofing membrane coating for concrete and masonry surfaces

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**MATERIAL SAFETY DATA SHEET**

**Product Name**: MonoProof AEW

**Product Code**: 11102

**Company Name**: Monarch Industrial Products (I) Pvt Ltd

**Address**: No 25, Sidco Industrial Estate, Theni - 625531, Tamilnadu, India

**Telephone No**: 04546 251020 /250076 /250086

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**COMPOSITION/INFORMATION ON INGREDIENTS**

**Composition**: silane-siloxane, hydrocarbon solvent, pigment.

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>CAS No:</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>white spirit</td>
<td>64742-88-7</td>
<td>&gt;50</td>
</tr>
<tr>
<td>Portland cement</td>
<td>65997-15-1</td>
<td>25</td>
</tr>
<tr>
<td>Hydrated lime</td>
<td>1305-62-0</td>
<td>&lt; 2.0</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>&lt; 1.0</td>
</tr>
<tr>
<td>Ground granulated blast furnace slag</td>
<td>65996-69-2</td>
<td>&lt; 10.0</td>
</tr>
<tr>
<td>Sodium molybdate</td>
<td>10102-40-6</td>
<td>&lt; 1.0</td>
</tr>
<tr>
<td>1,2 benzisothiazolin-3-one</td>
<td>2634-33-5</td>
<td>&lt; 0.05</td>
</tr>
</tbody>
</table>

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**HAZARDS IDENTIFICATION**

**Irritant**: Risk of serious damage to eyes.

**NOTE**: Contains soluble chromium controlled by the addition of a reducing agent to no more than 2 ppm by dry weight of cement when mixed with water, for a period of 12 months from the date of manufacture shown on this package under the stipulated storage conditions. Use of this product after the end of this period or under different storage conditions may increase the risk of an allergic reaction.
**FIRST AID MEASURES**

**INHALATION:** Remove patient from exposure, keep warm and at rest. If dry powder has been inhaled, the nose and throat should be thoroughly irrigated with water for at least 20 minutes. If distress is felt after inhalation of vapors, summon medical aid. Inhalation of free silica over a prolonged period can give rise to fibrosis of the lungs.

**SKIN CONTACT:** Remove contaminated clothing. After contact with skin, wash immediately with plenty of clean water. Repeated contact over a prolonged period may produce an allergic reaction. Seek medical attention if irritation persists.

**EYE CONTACT:** SPEED IS ESSENTIAL. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. Remove any large particles with cotton wool bud. Contact lenses should be removed. Eye wash stations should be available in areas where exposure is possible.

**INGESTION:** Do not induce vomiting. Wash mouth out with water and, if conscious, give plenty of water to drink. Seek medical attention.

**NOTE** If symptoms persist, seek medical advice.

**FIREFIGHTING MEASURES**

**SUITABLE EXTINGUISHER MEDIA:** Will not support combustion. Compatible with all standard firefighting techniques.

**EXPOSURE HAZARDS:** Fire or decomposition products may contain oxides of carbon. The powder releases alkalis on contact with water and chemically hardens.

**SPECIAL PROTECTIVE EQUIPMENT** In a sustained fire, self-contained breathing apparatus should be worn.
HANDLING:
Wear suitable protective clothing, gloves and eye/face protection. Eye wash stations should be available in areas where accidental exposure is possible. The normal precautions relating to handling chemicals must be observed. Use to minimize the creation of dust and ensure adequate ventilation to keep the airborne concentrations below the recommended exposure limits. See "Exposure Controls/Personal Protection".

STORAGE:
Store in dry frost-free conditions, in original containers. Protect from high temperatures (40°C+) for prolonged periods.

RESPIRATORY:
Normal conditions of ventilation are usually adequate. Wear a fine particle mask or respirator, or use local exhaust ventilation as necessary when mixing in confined areas with inadequate ventilation or whenever there is any risk of the exposure limits being exceeded. This applies not only to the user, but to all people who cannot be vacated from the work area.

HAND:
Use heavy-duty gloves. Gloves may degrade or be damaged according to different circumstances of use. Always ensure gloves you are using are in good condition. Barrier creams may help to protect exposed areas but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

EYE:
Eye protection designed to protect against liquid splashes, conforming to concern Chemical Grade, should be worn when handling dry powder or when there is risk of material entering the eye. Eye protection is essential when handling alkaline material.

SKIN:
Wear suitable overalls. Remove grossly contaminated clothing and wash skin with plenty of clean water. Practice good personal hygiene.
PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>Part A</th>
<th>Part B</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE:</td>
<td>milky white liquid</td>
<td>fine powder</td>
</tr>
<tr>
<td>ODOUR:</td>
<td>slight</td>
<td>none</td>
</tr>
<tr>
<td>pH:</td>
<td>9 12.5 when mixed with water</td>
<td></td>
</tr>
<tr>
<td>RELATIVE DENSITY:</td>
<td>1.02</td>
<td></td>
</tr>
<tr>
<td>BULK DENSITY:</td>
<td></td>
<td>1100 - 1550 kg/m³</td>
</tr>
<tr>
<td>BOILING POINT:</td>
<td>100°C</td>
<td></td>
</tr>
<tr>
<td>FLAMMABILITY:</td>
<td>dewatered polymer readily burns</td>
<td></td>
</tr>
<tr>
<td>SOLUBILITY IN WATER:</td>
<td>fully miscible</td>
<td>insoluble</td>
</tr>
<tr>
<td>VAPOUR PRESSURE:</td>
<td>23mbar</td>
<td></td>
</tr>
</tbody>
</table>

STABILITY AND REACTIVITY

STABLE UNDER NORMAL CONDITIONS OF STORAGE (SEE "HANDLING AND STORAGE")

CONDITIONS TO AVOID: Powder releases alkalis on contact with water and chemically hardens.

MATERIALS TO AVOID: Powder reacts vigorously with strong acids and, in the presence of moisture, will attack aluminium, lead and brass. Do not allow polymer to come into contact with metals or alloys that are liable to corrosion.

HAZARDOUS DECOMPOSITION PRODUCTS: May contain oxides of carbon.

HAZARDOUS POLYMERISATION: None known.
TOXICOLOGICAL INFORMATION

THIS IS NOT A FULLY TESTED PRODUCT, BUT ASSESSMENT OF THE HAZARDOUS SUBSTANCES SUGGESTS THE FOLLOWING RISKS:

INHALATION: Dust nuisance. Prolonged exposure to dust may cause irritation to the respiratory system. Prolonged exposure to product may cause inflammation of mucus membranes. Inhalation of free silica over a prolonged period can give rise to fibrosis of the lungs.

SKIN: In contact with water or body fluids, alkalis are released which can cause irritation of the skin. Continuous or repeated exposure over a period of time may cause burns or an allergic reaction. Levels of 1, 2 benzisothiazolin-3-one below 500 ppm are not likely to cause skin sensitization.

EYE: Risk of serious damage to eyes.

INGESTION: Small amounts are unlikely to cause any significant reaction. Larger doses may result in irritation or blockage of the gastro-intestinal tract. Unlikely to result in poisoning due to the large volume of material which must be ingested. The engineering controls and personal protection equipment advised in this Safety Data Sheet are to ensure the occupational exposure limits are not exceeded. Should this happen to anyone within the affected area, there could be delayed adverse health effects.

ECOLOGICAL INFORMATION

Product should not be disposed of into rivers or other water courses without pre-treatment. Measures should be taken to prevent the release of dust to the environment. Appropriate additions of low concentrations to biological water treatment plants are not expected to cause any disturbances. Attention must be paid to local water treatment regulations.

DISPOSAL CONSIDERATIONS

The product is not classified as hazardous waste and is suitable for controlled waste site disposal. Do not allow into water courses or dispose of where ground or surface waters may be affected. Large quantities of polymer must be coagulated before disposal.
CONVEYANCE CLASSIFICATION: Not classified

HAZARD CLASSIFICATION: Irritant

RISK PHRASES: Irritating to eyes, respiratory system and skin. Risk of serious damage to eyes.

SAFETY PHRASES: 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.

NOTE: Contains soluble chromium controlled by the addition of a reducing agent to no more than 2ppm by dry weight of cement when mixed with water, for a period of 12 months from the date of manufacture shown on this package under the stipulated storage conditions. Use of this product after the end of this period or under different storage conditions may increase the risk of an allergic reaction.

The data and 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 Monarch Industrial Products (I) Pvt Ltd.

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 user’s own assessment of workplace risk, as required by other health and safety legislation.