# Material Safety Data Sheet

**Product Name**: MonoProof MD  
**Product Code**: 11122  
**Company Name**: Monarch Industrial Products (I) Pvt Ltd  
**Address**: No 25, Sidco Industrial Estate, Theni -625531, Tamilnadu, India  
**Telephone No**: 04546 251020 /250076 /250086

## Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland cement</td>
<td>65997-15-1</td>
<td>&lt; 1% crystalline silica</td>
</tr>
</tbody>
</table>

## 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 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.
**FIRST AID MEASURES**

**Eye Contact** Quickly and gently blot or brush away any dry powder. Irrigate with large amounts of water for at least 15 - 20 minutes. Seek immediate medical attention.

**Skin Contact** Under running water, remove contaminated clothing, shoes and leather goods. Continuously flush contaminated area with lukewarm, gently flowing water for at least 20-60 minutes. Seek immediate medical attention.

**Inhalation** Move person to fresh air and seek immediate medical attention.

**Oral Ingestion:** Drink 1 cup (240 - 300 ml) of water followed by dilution with milk, if available. Do not induce vomiting.

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Seek Immediate medical attention.

**FIREFIGHTING MEASURES**

MonoProof Cementitious Products are not flammable and are not subject to explosion.
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".

STORE IN DRY, MODERATE ENVIRONMENT, AND PROTECT FROM WATER OR COLD DAMAGE. KEEP IN SEALED STEEL CONTAINERS UNTIL PRODUCT IS REQUIRED.

EXPOSURE CONTROLS/PERSONAL PROTECTION:

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>Physical State:</th>
<th>solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor &amp; Appearance:</td>
<td>odorless grey color</td>
</tr>
<tr>
<td>pH:</td>
<td>9.1 (EPA method – 2 parts water to 1 part powder by volume weight)</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>2.8 (water)</td>
</tr>
</tbody>
</table>

**STABILITY AND REACTIVITY**

MonoProof Cementitious Products are chemically stable.

Products are incompatible with strong acids.

Products may liberate Carbon Monoxide or Carbon Dioxide.

Alkaline earth compounds will cause explosive decomposition of maleic anhydride, nitro alkanes, and nitroparaffins, in the presence of water, form salts with inorganic salts and with inorganic bases.

The dry salts are explosive.
**TOXICOLOGICAL INFORMATION**

**Effects of Acute Exposure to Products**

Ingredients in the products are dermal irritants and dermatitis may develop following exposure. Ingredients may also irritate or cause burning sensation to eyes, nose & throat. Eye burns can result from exposure to Alkaline earth compounds.

**Effects of Chronic Exposure to Products**

Exposure to dust can cause perforation of the nasal septum.

Prolonged exposure to ingredients in these products can cause lung and respiratory tract damage.

Portland cement and Alkaline earth compound are corrosive to the skin.

Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis. IARC has concluded that there is “sufficient evidence for the carcinogenicity of inhaled crystalline silica in the form of quartz and cristobalite in certain industrial circumstances, but that the carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs”.

**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**

Product can be disposed of as common waste. Avoid the creation of respirable dust. Consult with federal, state and municipal regulations regarding disposal.
**TRANSPORT INFORMATION**

**CONVEYANCE CLASSIFICATION:** Not classified

**REGULATORY INFORMATION**

**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.

**OTHER INFORMATION**

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 users own assessment of workplace risk, as required by other health and safety legislation.