**Health and Safety Recommendations for Premixed Mortar by Masons Mortar Ltd for mortars containing St Astier Limes**

**Product and Manufacturer Identification**

* **Product:** *Ready mixed mortar in 25 kg. bags*
**Manufacturer:**
**Name:** *Masons Mortar Ltd*
**Address:** Block 2 Woodend Industrial Estate Cowdenbeath KY4 8HW
**Tel:** 01383 514 460
* **In case of Urgency:**
**UK:** – 01383 514 460

**Components**

* A ready mixed mortar made with natural hydraulic lime, siliceous and calcareous sand, additives and pigments when required.

**IDENTIFICATION OF DANGERS**

* MM Ready Mixed Mortars are not classified as a « dangerous product » as defined in annex VI of the directive 67 / 548 / CEE. However, because of its alkaline properties in solution, some handling precautions are necessary.

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| **Risk symbol** | **Principal risks for people and the environment** |
| **Xi** | * Mortar is an irritant for eyes, respiratory track and mucous membranes.
* Risk of severe eye damage in cases of splashes of powder or wet mortar in the eyes.
* Once hydrated, Mortar increases alkalinity and therefore can irritate or dry the skin.
* In cases of significant ingestion Mortar is caustic for the digestive tract. It can cause burning of the mouth, oesophagus and stomach.
* Mortar does not present particular risks for the environment subject to the recommendations in section XIII and the respect of national or local disposal directives
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**First Aid (urgent cases)**

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| **Contact with eyes** | * Wash immediately and abundantly with clean water and consult an ophthalmologist
 |
| **Contact with the skin** | **In case of prolonged contact with the skin :*** If Mortar is in a dry state, eliminate as much as possible the dust. Wash abundantly with clean water.
* If Mortar is in a wet mortar state, was abundantly with clean water.
* Make sure that no product is left between skin and clothing or accessories (watches, shoes etc…).
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| **Inhalation** | **In case of inhalation of large amounts of dust:*** Bring the affected person outside the dusty area. Consult a doctor in case of respiratory problems.
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| **Ingestion** | **In cases of significant ingestion*** Rinse mouth, drink potable water and consult a doctor.
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**ANTI FIRE MEASURES**

* Mortar is not flammable.
* In case of nearby fire use any extinguishing agents (as required by the nature of the fire).

**ACCIDENTAL SPILLAGE MEASURES**

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| **Individual precautions** | * Avoid all contacts with the eyes.
* Avoid contact with the skin.
* Avoid dust inhalation.
* In case of airborne dust use the appropriate anti dust mask.
* Handle the product with the appropriate gloves
 |
| **Protection of the environment** | * Do not dispose of Mortar in sewers, drains and on surface waters.
 |
| **Cleaning and recovery methods** | * Use preferably collecting methods so as to avoid the creation of dust in the air.

**NOTE:**After collection, Mortar can be disposed as normal building waste. Mortar hardens approximately 60 to 90 minutes after mixing with water. |

**USAGE, STOCKING AND HANDLING PRECAUTIONS**

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| **STOCKING** | **USAGE** | **HANDLING** |
| * Keep away from the reach of children
 | * Avoid creating airborne dust. If unavoidable, wear an anti dust mask.
* Avoid direct contact of Mortar with eyes, skin and mucous membranes.
* Wearing security glasses is recommended.
 | * The handling of Mortar bags has to be done in such a way as to avoid the creation of airborne dust.
* Handle following local health and safety directives.
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**CONTROL PROCEDURES FOR WORKERS' EXPOSURE
AND TYPE OF EQUIPMENT FOR INDIVIDUALS' PROTECTION**

**Exposure control:**

**Exposure limits**

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| **Total Dust:** | 10 mg/m3 |
| **Cellular dust:** | 5 mg/m3 |

**Individuals' protection:**

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| **Respiratory protection:** | In the presence of airborne dust, the use of an anti dust mask is recommended. |
| **Hands protection:** | Wear adequate gloves |
| **Eyes protection:** | Wear protective goggles in case of airborne dust or risk of splashes of powder or wet mortar. |
| **Skin protection:** | Wear adequate work clothing covering the arms and extend it to the hands by wearing gloves. If working standing on knees, wear kneepads. Skin protective creams can also be used. |

**PHYSICAL AND CHEMICAL PROPERTIES**

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| Colour | White or pigmented powder |
| Odour: | None |
| PH in water solution: | Alkaline between 12 and 13 |
| Fusion temperature: |  > 1000oC |
| Apparent volumetric mass: | 1,35 g/cm3 at 20oC  |
| Explosion point: | Not applicable |
| Flammable point: | Not applicable |
| Danger of explosion: | None |
| Granulometary | Type G= 0-2.5 mmType FG = 0 -1.8 mmType F = 0 – 1mm Type |

**STABILITY AND REACTIVITY**

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| Stability: | The product is stable |
| Conditions to avoid: | Humidity can cause hardening of the product |
| Materials to avoid: | None |
| Dangerous decomposition products : | None |

**TOXICOLOGICAL INFORMATION**

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| **Inhalation:** | Mortar can cause the irritation of the respiratory track and inflammation of nasal mucous membranes. In extreme cases the erosion of mucous membranes is possible. |
| **Ingestion:** | In cases of significant ingestion Mortar is caustic for the digestive tract. It can cause burning of the mouth, oesophagus and stomach. |
| **Skin contact:** | Due to its alkalinity in solution, Mortar can irritate the skin.A prolonged contact with Mortar could cause burning of the skin. |
| **Contact with the eyes:** | Mortar can cause irritation and severe lesion of the pupil. Prolonged washing and ophthalmologic consultation are recommended. |
| **Chronic hands, skin disorders:** | Prolonged exposure without adequate protection (gloves) can cause dermatitis. |
| **Cancer risks:** | Not found |
| **Nontoxicity:** | Not found |

**ECOLOGICAL INFORMATION**

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| **Mobility:** | None |
| **Potential bio-accumulation:** | None |
| **Ecotoxicity:** | In case of accidental dispersion in waters, the Mortar powder could moderately increase the water ph. |

**DISPOSAL INFORMATION**

After hardening, as a mortar waste, Mortar can be disposed of together with other construction site waste and stockpiled in discharge sites following the regulations current at the time of disposal.

**TRANSPORT INFORMATION**

Classified as non-hazardous merchandise in accordance with transport regulations.

**COMPULSORY INFORMATION**

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| --- | --- |
| **Danger symbol:** | **Xi irritant** |
| **Principal components:** | Calcareous sand and NHL lime |
| **Phrases R:** | R36/37/38- irritant for the eyes, respiratory tracks and skin.R41risks of severe eyes lesion. |
| **Phrases S:** | S2 keep away from children’s’ reach S24/25 avoid contact with skin and eyes.S26in case of contact with the eyes wash immediately and abundantly with clean water and consult a specialist.S37 wear adequate gloves |
| **Professional illnesses:** | Social security code : not applicable |
| **Special medical surveillance:** | Not envisaged |

**OTHER INFORMATION:   None**

*The recommendations in this document are based on our kowledge as it stands today related to Natural Hydraulic Limes,sands and additives. They are given in good faith.*

**Under no circumstance the information can be considered as a quality guarantee.**

**The User attention is drawn to the eventual risks caused by the utilisation of a product for different purposes from the ones for which the product has been envisaged. It is the responsibility of the User to adopt the appropriate safety measures and to apply all regulations current at the time of use. The prescriptions contained in this document are given to help the User to fulfil its obligations. The precautions listed cannot be considered as exhaustive.**

See Also: Masons Mortar Ltd Product Data Sheet