

St Astier Natural Hydraulic Lime NHL Health and Safety Data

Manufacturer: CESA (Chaux Ct Enduits de St Astier)

General information: NHL products do not contain any dangerous substances or toxic products.

Identification:

Commercial Designation Natural Hydraulic Lime (NHL) or NHL-Z manufactured according to the French Standard NF P 15-311

Types of Use Rendering, plastering, pointing and masonry mortars, grouting.

Chemical Nature of Products Result of burning at 900°- 1000° C of a siliceous limestone composed of the Lime, silica and some presence of alumina and traces of other elements.

Physical Properties

Physical State White powder

Solubility in Water Dissolution is accompanied by the immediate precipitation of the formed hydrates

pH Value 12-13 in water

Vapour Pressure Irrelevant

Density Bulk density from 0.5 - 0.7 gr per litre
Particle density 2.67

Storage and Handling

Precautions Do not inhale or ingest. Protect eyes and skin

Storage In bags or silos. Do not expose to air or rain

Dangerous

Decomposition None

Personal Protective Measures Wear adequate protective clothing to avoid prolonged contact with the mortar. To avoid dust contact with eyes and possible inhalation, wear glasses and mask especially in areas not properly ventilated.

Flammability and Explosion Non flammable products - MO classification.

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St Asfier Natural Hydraulic Lime/Health and Safety Data (Cont..)

Medical Information	Particles, if inhaled, can irritate the upper respiratory track Avoid contact with eyes. irritation and even injury can occur. When mixed with water, the paste obtained is highly alkaline. It can dry the skin and mucous membranes in the event of prolonged contact. If present, chromates can be dissolved by water and this could cause allergic skin reactions in some hypersensitive individuals when exposed by lengthy and repeated contact.
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First Aid Measures

Prevention	Avoid all prolonged contact with the skin. Avoid inhalation or contact with eyes If the eyes have been in contact with the powder or products that contain it, clean with fresh water applied in abundance. If irritation persist obtain medical assistance.
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At all times rinse skin after contact
Use protective creams against allergic symptoms

Treatment	If inhalation has occurred go into fresh air. If irritation persists seek medical advice.
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Environment Protection	Lime plants are equipped with dust elimination filters Handle in ventilated areas and prevent dust diffusion. Accidental spillage: recover powder or dump as non-hazardous waste (landfill). After hardening, the lime or its products are definitively combined and insoluble. No further precautions necessary.
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Special Indications	Respect the hygiene and safety rules specified by the trade. The basic components of Natural Hydraulic Lime are common natural materials.
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The information contained in this document is based on the current state of our knowledge relating to the products in question at the date of issue of this document. It is provided in good faith. The user's attention is drawn to the possible risk incurred when products are used for applications other than those for which it is designed.

If you have any questions or queries please do not hesitate to contact Womersley's Limited on Tel 01924 400651 or call in at our workshop.