



HEALTH AND SAFETY DATA

Hydraulic Lime

RJ5.01A

Product Name:

St. Astier: Natural Hydraulic Lime. NHL 2
Natural Hydraulic Lime. NHL 3.5
Natural Hydraulic lime. NHL 5

Description:

White or off-white powders used as binders in mortars, plasters and renders.

Composition:

The result of burning siliceous limestones at $>10000^{\circ}\text{C}$, and then hydrating with water to form a hydrate. Composed of lime, silica, alumina and trace elements.

Reach Data:

Refer to St Astier (www.stastier.co.uk/nhl/health-safety) for full Health & Safety data.

CAS No: 85117-09-5. Alkali (pH 13)

EINECS No: 285-561-1

H318: Causes Serious Eye Damage

H315: Causes skin irritation

H335: May cause respiratory irritation.

Hazard Identification:

NHL products do not contain any dangerous substances or toxic products. Not classified as dangerous to supply.



First Aid Measures:

- Inhalation:** If inhalation has occurred, go into fresh air. Particles, if inhaled can irritate the upper respiratory tract, and dry mucous membranes. If irritation persists, seek medical advice.
- Eye Contact:** Avoid contact with eyes. When mixed with water the paste is highly alkaline. Remove contact lenses. Irrigate copiously with clean fresh water. Seek medical advice.
- Skin Contact:** Avoid prolonged contact with skin. When mixed with water, the highly alkaline paste can dry the skin, and cause allergic skin reactions in hypersensitive individuals. Always rinse skin after contact, and use protective creams against allergic symptoms.

Fire Fighting Measures:

Non-Flammable. No dangerous decomposition products.

Accidental Release Measures:

Spillage: Recover powder and dispose (landfill) in accordance with the waste regulations as non hazardous waste.

DO NOT allow to enter drains or water courses.

Handling & Storage:

Handling: Handle in ventilated areas and prevent dust diffusion, Do not inhale or ingest. Protect eyes and skin. Smoking, eating and drinking should be prohibited in areas of storage and use.

Storage: Observe product data precautions. Limited Shelf Life. Store in sealed bags or tubs in dry storage. Protect from air and rain.

Exposure Controls/Personal Protection:

Provide adequate ventilation.

Respiratory protection: Wear mask during mixing.

Hand Protection: Barrier creams may help but are no substitute for full physical protection. Seek advice from glove manufacturers on appropriate types.

Eye Protection: Wear eye protection at all times.

Skin Protection: Wear adequate protective clothing. Cotton or cotton/synthetic overalls are normally suitable.



Physical & Chemical Properties:

Physical State:	White/off-white/creamy-white Powder
Solubility in Water:	Dissolution is accompanied by the immediate precipitation of the formed hydrates.
pH:	12-13 in water
Specific Gravity:	0.6 to 0.95

Environmental Information:

Lime plants are equipped with dust elimination filters. After hardening, the lime and its products are definitively combined and insoluble. No further precautions are necessary. Do not allow lime or mortar to enter drains or water courses.

Disposal:

Dispose as non-hazardous waste in accordance with the Environment Protection Act 1990.

Transport:

Not dangerous for transport. Always transport in sealed containers that are upright and secure.