

Health and Safety Recommendations for Tradiblanç Binder for Mortar by St Astier (EN/BS 998.1)

See Also: [Tradiblanç Data Sheet](#)

Product and Manufacturer Identification

- **Product:** *Hydrated Natural Hydraulic Lime, white cement CEM I and additives as per EN/BS 459.1. Binder for building mortars in 35 kg. bags*
Commercial Name: Tradiblanç
- **Manufacturer:**
Name: *Dordognaise (C.E.S.A. Group)*
Adresse: 24110 St Astier, France
Tel: 05 33 54 1125
Fax: 05 33 04 6791
- **In case of Urgency:**
France: - ORFILA, Tel : 01 45 42 5959
UK: – The Lime Line 0800.7839014
Ireland:– The Traditional Lime Co. 05991 51750

Components	Lime	Cement
CAS No:	1305-62-0	65997-15-1
Name(ref Dir. EU):	calcium hydroxyde Xi	Portland White Xi
Symbol:	Risk phrase : R-41	R36/37/38-43
Risk phrase :	EINCECS No. :	266-043-4
EINCECS No:	215-137-3	

IDENTIFICATION OF DANGERS

Risk symbol	Principal risks for people and the environment
X_i	<ul style="list-style-type: none">• Hydraulic lime is 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, Tradiblanç increases alkalinity and therefore can irritate or dry the skin.• In cases of significant ingestion Tradiblanç is caustic for the digestive tract. It can cause burning of the mouth, esophagus and stomach.• Tradiblanç does not present particular risks for the environment subject to the recommendations in section XIII and the respect of national or local disposal directives.

First Aid Measures

Contact with eyes	<ul style="list-style-type: none">• Wash immediately and abundantly with clean water and consult an ophthalmologist
Contact with the skin	<p>In case of prolonged contact with the skin :</p> <ul style="list-style-type: none">• Wash the affected area abundantly with clean water. Afterwards wash again with soap or light detergent. Protect clothing..
Inhalation	<p>In case of inhalation of large amounts of dust:</p> <ul style="list-style-type: none">• Wash nose and throat with clean water. Breathe fresh air.• If necessary consult a doctor.
Ingestion	<p>In cases of significant ingestion</p> <ul style="list-style-type: none">• Wash mouth, drink water and consult a doctor.

ANTI FIRE MEASURES

- Thermocromex is not flammable.
- All fire extinguishing agents can be used.
- Above 950°C the lime will produce CO₂ emission.

ACCIDENTAL SPILLAGE MEASURES

Individual precautions	<ul style="list-style-type: none">• Avoid all contacts with the eyes• Avoid contact with the skin• Handle the product with appropriate gloves• Wear a mask if required
Protection of the environment	<ul style="list-style-type: none">• Do not dispose of Tradiblanco in sewers, drains and on surface waters.
Cleaning and recovery methods	<ul style="list-style-type: none">• Use preferably collecting methods so as to avoid the creation of dust in the air <p>NOTE: Avoid creating dust when collecting loose product. Once hardened the product can be collected as a normal construction debris. The hardening process is variable in accordance with weather conditions and water addition but is never below 1 hour.</p>

USAGE, STOCKING AND HANDLING PRECAUTIONS

STOCKING	HANDLING
<ul style="list-style-type: none">• Store away from the reach of children..	<ul style="list-style-type: none">• Wear appropriate gloves• Avoid inhaling the dust, wearing a mask if necessary.• To avoid contact with the eye, wear suitable safety goggles.• Manual handling : observe local health and safety directives

CONTROL PROCEDURES FOR WORKERS' EXPOSURE AND TYPE OF EQUIPMENT FOR INDIVIDUALS' PROTECTION

Exposure control:

Exposure limits

Total Dust:	10 mg/m ³
Cellular dust:	5 mg/m ³

Individuals' protection:

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 knee pads. Skin protective creams can also be used.

PHYSICAL AND CHEMICAL PROPERTIES

Colour	White or pale grey powder
Odor:	None
PH in water solution:	Alcaline between 12 and 13
Fusion temperature:	> 1000°C
Apparent volumetric mass:	0.65 g/cm ³ at 20°C
Absolure volumetric mass	2.6 g/cm ³ (20°C)
Explosion point:	Not applicable
Flammable point:	Not applicable
Danger of explosion:	None
Granulometry	20 to 30 % of fines < 0.05mm

STABILITY AND REACTIVITY

Stability:	The product is stable at all temperatures.
Conditions to avoid:	Storage in damp areas to avoid an hydraulic set.
Materials to avoid:	Reacts strongly with acids, generating CO ₂ .

TOXICOLOGICAL INFORMATION

Inhalation:	Inhalation can cause irritation of the respiratory ways and of the nasal mucose. In extreme cases the mucose can be eroded
Ingestion:	Large ingestion can cause burining of the mouth, exophagus ad stomac
Skin contact:	Can irritate the skin due to its high alcalinity
Contact with the eyes:	Can cause irritation of the eye and the pupil. Proplongued rinsing is necessary
Chronic hands, skin disorders:	Prolongued exposure without adequate protection (gloves) can cause dermatological irritation

ECOLOGICAL INFORMATION

Mobility:	None
Potential bio-accumulation:	None
Ecotoxicity:	Tradiblanc is an alkaline material that brings the water pH to 12.4 in saturated solution. The carbonation process, with time, re-constitutes Calcium Carbonate (CaCO ₃) which is a neutral material in ecological terms.

DISPOSAL INFORMATION

The product in its hardened state can be disposed as a normal construction debris.
Dispose of used bags in authorised refuse areas in accordance with local directives.

TRANSPORT INFORMATION

Tradiblanc is not subject to ADR, RID, IMDG and IATA regulations.
In general, avoid spillages of powder during transport.

NOTE:

ADR: European agreement on road transport of dangerous substances.

RID: International rail transport regulation for dangerous substances

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association.

COMPULSORY INFORMATION

Risk Symbol:	X_i irritant
Principal constituent	Calcium hydroxide
Phrases R:	R36/37/38 irritant for the eyes, respiratory tracks and skin. R41 - risk of severe eyes lesion R43 - can damage the skin
Phrases S:	S2 keep away from childrens' reach S24/25 avoid contact with skin and eyes S26 in case of contact with the eyes wash immediately and abundantly with clean water and consult a specialist S37 wear adequate gloves S39 - wear protective eye goggles.

OTHER INFORMATION: None

The recommendations in this document are based on our knowledge 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 fulfill its obligations. The precautions listed cannot be considered as exhaustive.

See Also: [Tradiblanc Data Sheet](#)

For further Guidance, contact your St Astier Distributor.

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