

**SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY / UNDERTAKING**

- 1.1 Product identifier:** A325 - THERMOLEV ECO
- 1.2 Relevant identified uses of the mixture and uses advised against:**
Relevant uses: exclusive professional use.
Uses advised against: Any use not specified in this section and section 7.3.
- 1.3 Details of the supplier of the material safety data sheet:**
AISLAMIENTOS SUBERLEV, S.L.
P. I. LA MINA C/UNO NAVE 6
12520 NULES - CASTELLÓN - ESPAÑA
Tfno.: 961857286
suberlev@suberlev.com
<https://suberlev.com>
- 1.4 Emergency telephone:** 961857286 (During work time);

SECTION 2: HAZARDS IDENTIFICATION ****2.1 Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008:**

Eye Dam. 1: Serious eye damage, H318
Skin Corr. 2: Skin irritation, H315
STOT SE 3: Respiratory system toxicity (single exposure), H355

2.2 Label elements:**Regulation No 1272/2008 (CLP):****Attention****Danger indications:**

Eye Dam. 1: H318 – Causes serious eye damage.
Skin Corr. 2: H315 – Causes skin irritation.
STOT SE 3: H355 – May cause respiratory irritation.

Caution tips:

- P101 If medical advice is needed, have the container or label handy.
P102 Keep out of the reach of children.
P103 Read the label before use.
P261 Avoid breathing dust.
P271 Use only outdoors or in a well ventilated place.
P280 Wear protective gloves, protective clothing, and eye protection and face shield.
P305+P351+P338+P310 IF EYE CONTACT: Rinse with water for several minutes. Remove the contact lenses, if carrying and if easy. Keep clearing. Call a TOXICOLOGY INFORMATION CENTRE immediately or a doctor.
P302+P352+P332+P313 IF SKIN CONTACT: Wash of plenty of soap and water. In case of irritation or rash call a doctor.
P362 Remove contaminated clothing and wash before reuse.
P304+P340+P312 IF CASE OF INHALATION: Transport victim outside and keep at rest position comfortable for breathing. Call a TOXICOLOGY INFORMATION CENTRE immediately or a doctor.
P403+P233 Store in a well ventilated place. Keep the container tightly closed.
P501 Dispose of contents in container in accordance with the local regulations.

***Changes with regards to the previous version*

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SECTION 2: HAZARDS IDENTIFICATION ** (continued)
Substances that contribute to the classification:

White Portland cement clinker
Calcium hydroxide

2.3 Other hazards:

Product fails meet PBT/vPvB criteria.

***Changes with regards to the previous version*

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **
3.1 Substance:



Non-applicable

3.2 Mixture:

Chemical description: Hydraulic binders (lime), mineral fillers, lightening, special additives.

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification		Chemical name / Classification		Concentration	
CAS:	1305-62-0	Calcium hydroxide	Eye Dam. 1, H318 – Skin Irrit. 2, H315 – STOT SE 3, H335	Self-Classified 	15 – 40%
CE:	285-561-1				
Index:	Non-applicable	Regulation 1272/2008			
REACH:	01-2119475151-XXXX				
CAS:	65997-15-1	White cement	Eye Dam. 1, H318 – Skin Irrit. 2, H315 – STOT SE 3, H335	Self-Classified 	20 – 50%
CE:	266-043-4				
Index:	Non-applicable	Regulation 1272/2008			
REACH:	Non-applicable				

To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 y 16.

***Changes with regards to the previous version*

SECTION 4: FIRST AID MEASURES
4.1 Description of first aid measures:

In case of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything by mouth to people who are unconscious.

By inhalation:

In case of symptoms, move the affected person outdoors, keep him warm and at rest. If breathing is irregular or stops, practice artificial respiration. Do not administer anything oral way. If unconscious, put him in a proper position and seek medical help.

By skin contact:

Remove contaminated clothing. Wash the skin vigorously with soap and water or a suitable skin cleanser. Never use solvents or thinners.

By eye contact:

Wash eyes thoroughly with clean, fresh water for at least 10 minutes, pulling up the eyelids and seek medical assistance.

By ingestion/aspiration:

If accidentally swallowed, seek immediate medical attention. Keep him at rest. Never cause vomiting.

4.2 Most important symptoms and effects, both acute and delayed:

Corrosive product, contact with eyes or skin may cause burns, ingestion or inhalation may cause internal damage, in case of medical attention is required.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

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**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:**

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

5.1 Special hazards arising from the substance or mixture:

Due to its flammability characteristics, the product does not present a fire hazard under normal conditions of storage, handling and use.

5.2 Advice for firefighters:

Depending on the magnitude of the fire, the use of full protective clothing and self-contained breathing apparatus may be necessary. Have a minimum of emergency facilities or actuators (fire blankets, portable medicine cabinet, ...) in accordance with R.D. 466/1997 and subsequent modifications.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on action against accidents and other emergencies. Remove any source of ignition. In case of fire, refrigerate containers and storage tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid the spillage of the products used in extinguishing the fire to the aquatic environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:**

For exposure control and personal protection measures, see section 8.

6.2 Environmental precautions:

Product not classified as dangerous for the environment. Keep the product away from drains and surface and groundwater.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation.

Avoid the formation and accumulation of dust. Have good ventilation.

B.- Technical recommendations for the prevention of fires and explosions.

The product is not considered flammable..

C.- Technical recommendations to prevent ergonomic and toxicological risks.

For exposure control see section 8. Do not eat, drink or smoke in work areas; wash your hands after each use, and get rid of contaminated clothing and protective equipment before entering the eating areas.

D.- Technical recommendations to prevent environmental risks.

It is not necessary to take special measures to prevent environmental risks. For more information see section 6.2.

7.3 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimu Temp.: 5 °C

Maximum Temp.: 35 °C

Maximum time: 24 Months

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SECTION 7: HANDLING AND STORAGE (continued)

B.- General conditions for storage.

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see section 10.5

Humidity: Avoid direct incidence

7.4 Specific en use(s):

Except for the indications already specified, it is not necessary to make any special recommendations regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parametrs:

Substances whose occupational exposure limits have to be monitored in the workplace (INSST 2019)

Name	Nº CAS	Nº CE	Country	Environmental limits		
Calcium hydroxide	1350-62-0	215-137-3	Spain [1]	VLA-ED	- ppm	1 mg/m ³ (breathable fraction)
				VLA-EC	- ppm	4 mg/m ³
Portland Cement	65997-15-1	-	Spain [1]	VLA-ED	- ppm	4 mg/m ³ (breathable fraction)
				VLA-EC	- ppm	- mg/m ³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Calcium hydroxide Nº CAS: 1305-62-0 Nº CE: 215-137-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	4 mg/m ³	Non-applicable	1 mg/m ³
Portland cement Nº CAS: 65997-15-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	4 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Calcium hydroxide Nº CAS: 1305-62-0 Nº CE: 215-137-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	4 mg/m ³	Non-applicable	1 mg/m ³

PNEC:

Identification			
Calcium hydroxide Nº CAS: 1305-62-0 Nº CE: 215-137-3	STP	3 mg/L	Non-applicable
	Soil	1080 mg/kg	Marine water
	Intermittent	0,49 mg/L	Sediment (Fresh water)
	Oral	Non-applicable	Sediment (Marine water)
			No relevante

8.2 Exposure controls:

A.- General security and higiene measures in the work place:

As a prevention measure, the use of basic personal protective equipment is recommended, with the corresponding CE marking according to R.D. 1407/1992 and subsequent modifications. For more information on personal protective equipment (storage, use, cleaning, maintenance, protection class, ...) consult the information leaflet provided by the EPI manufacturer. The indications contained in this point refer to the pure product. The protection measures for the diluted product may vary depending on its degree of dilution, use, method of application, etc. To determine the obligation to install emergency showers and / or eyewash in warehouses, the regulations regarding the storage of chemical products applicable in each case will be taken into account. For more information see sections 7.1 and 7.2.



All the information included here is a recommendation, and it is necessary to specify it by the occupational risk prevention services when ignoring the additional prevention measures that the company may have or if they have been included in the relevant risk assessment.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)
B.- Respiratory protection.

Pictogram	PEE	Labelling	Standard CEN	Remaks
 Mandatory respiratory protection	Self-filtering particle protection mask type FFP2		UNE - EN 143:2009	Replace when smell or contaminating taste is detected inside the mask.



C.- Protección específica de las manos.

Pictogram	PEE	Labelling	Standard CEN	Remaks
 Mandatory hand protection	Protective gloves against minor risks		EN 420:2003+A1:2009	Replace gloves at any sign of deterioration. For prolonged periods of exposure to the product for professional / industrial users, the use of CE III gloves is recommended.



D.- Protección ocular y facial

Pictogram	PEE	Labelling	Standard CEN	Remaks
 Mandatory face protection	Panramic glasses against splash/projections.		EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Its use is recommended in case of risk of splashes.

E.- Body protection

Pictogram	PEE	Labelling	Standard CEN	Remaks
	Work clothing		EN ISO 13688:2013	Exclusive use for work
	Anti-slip work shoes		EN ISO 20347:2012	None

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

Under Community environmental protection legislation it is recommended to avoid spilling both the product and its packaging into the environment. For additional information see section 7.1.D

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties:

For complete information see the product data sheet.

Appearance:

Physical state at 20 °C:	Powdery solid
Appearance:	Undetermined
Color:	White
Odor:	Undetermined
Olfactory threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	Non-applicable *
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	Non-applicable *
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	220 kg/m ³
Relative density at 20 °C:	0,22
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water at 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *

Flammability:

Flash point:	Non Flammable (>60 °C)
Flammability (solid, gas):	260 °C
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Explosive:

Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *

9.2 Other information:

Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 10: STABILITY AND REACTIVITY
10.1 Reactivity:

The product does not present hazards due to its reactivity.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Acid reactions. Reacts with light metals in the presence of moisture releasing hydrogen.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperatura	Sunlight	Humidity
Non-applicable	Avoid direct incident	Precaution	Precaution	Avoid direct incident

10.5 Incompatible materials:

Acids	Water	Oxidizing materials	Combustible materials	Ohters
Avoid strong acids	Avoid direct incident	Avoid direct incident	Non-applicable	Non-applicable

10.6 Hazardous descomposition products:

See section 10.3, 10.4 and 10.5 for specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released as a result: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION **
11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is no available.

Dangerous health implications:
A.- Ingestion:

- Acute toxicity: In view of the available data, the classification criteria are not met. For more information see section 3.
- Corrosivity/Irritability: Ingestion of a considerable dose may cause throat irritation, abdominal pain, nausea and vomiting.

B.- Inhalation:

- Acute toxicity: In view of the available data, the classification criteria are not met. For more information see section 3.
- Corrosivity/Irritability: Causes respiratory tract irritation, usually reversible and usually limited to the upper airways.

C.- Contact with the skin and eyes:

- Contact with the skin: Produces skin inflammation.
- COn tact with the eyes: Produces eye damage after contact.

D.- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

- Carcinogenicity: view of the available data, the classification criteria are not met. For more information see section 3.
- Mutagenicity: view of the available data, the classification criteria are not met. For more information see section 3.
- Reproductive toxicity: view of the available data, the classification criteria are not met. For more information see section 3.

E.- Sensitizing effects:

- Respiratory: view of the available data, the classification criteria are not met. For more information see section 3.
- Skin: Prolonged skin contact may cause episodes of allergic contact dermatitis.

F.- Specific target organ toxicity (STOT) - single exposure:

Causes respiratory tract irritation, usually reversible and usually limited to the upper respiratory tract.

** *Changes with regards to the previous version*

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

G.- Specific target organ toxicity (STOT) - repeated exposure:

- Specific target organ toxicity (STOT) - repeated exposure: view of the available data, the classification criteria are not met. For more information see section 3.

- Skin: In view of the available data, the classification criteria are not met, however, it contains substances classified as dangerous by repeated exposure. For more information see section 3.

H.- Aspiration hazard:

- According to the available data, the classification criteria are not met, however. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Calcium hydroxide N° CAS: 1305-62-0 N° CE: 215-137-3	LD50 oral	7340 mg/kg	Rat
	LD50 dermal	> 2500 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	
Portlan cement N° CAS: 65997-15-1	LD50 oral	Non-applicable	
	LD50 dermal	> 2000 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	

**Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available.

12.1 Toxicity:

Identification	Acute toxicity		Species	Genus
Calcium hydroxide N° CAS: 1305-62-0 N° CE: 215-137-3	EC50 / 48h	49,1 mg/l	Daphnia magna	Crustacean
	EC50 / 72h	184,57 mg/l		Alga
	LC50 / 96h	160 mg/l		Fish

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Undetermined

12.4 Mobility in soil:

Undetermined

12.5 Results of PBT and mPmB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

12.7 Observations:

In case of accidental spillage of product in water, a slight increase in pH can occur. The set product is a stable material that fixes its compounds and makes them insoluble.

SECTION 13: DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods:

Discharge into sewers or waterways is not allowed. Waste and empty containers must be handled and disposed of in accordance with current Local / national laws.

Follow the provisions of Directive 2008/98 / EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH (Authorization list) and sunset day: Non-applicable

Regulation (CE) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances which have been included in Article 95 of Regulation (EU) No. 528/2012: Non-applicable.

REGULATION (EU) No 649/2012, concerning the export and import of hazardous chemicals: Non-applicable.

Limitations to commercialization and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ...):

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information collected in this safety data sheet as input data in a risk assessment of local circumstances in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, and amending and repealing Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006 and all subsequent amendments are amended.

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION **

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (UE) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks:

Modified headings compared to the previous version 2, 3, 11, 16.

Texts of the legislative phrases mentioned in section 2:

H318 - Causes serious eye damage.

H315 - Causes skin irritation.

H355 - May cause respiratory irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself, they are for informational purposes only and refer to the individual components that appear in the section 3.

Regulation No 1272/2008 (CLP):

Eye Dam. 1: H318 - Causes serious eye damage.

Flam Liq. 1: H224 - Extremely flammable liquid and vapor.

Flam Liq. 2: H225 - Highly flammable liquid and vapor.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May produce an allergic reaction on the skin.

STOT SE 3: H335 - May cause respiratory tract irritation..

STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Eye Dam. 1: Calculation method.

Skin Corr. 2: Calculation method.

STOT SE 3: Calculation method.

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

**SECTION 16: OTHER INFORMATION ** (continued)****Advice related to training:**

Se recomienda formación mínima en materia de prevención de riesgos laborales al personal que va a manipular este producto, con la finalidad de facilitar la comprensión e interpretación de esta ficha de datos de seguridad, así como del etiquetado del producto.

Principal bibliographic sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road.

IMDG: International maritime dangerous goods code.

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

*** Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product; it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

