





ITALMONT SRL

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Revision date 3 - 03/11/2024
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Warnings:

Danger

Hazard statements:

H318

Causes serious eye damage.

Precautionary advice:

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P280

Protect eyes/face.

P310

Contact a POISON CENTER / doctor immediately / . . .

Contains:

Calcium dihydroxide

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in a percentage greater than 0.1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Irrelevant information

3.2. Mixtures

Contains:

Identification	x = Conc . %	Classification 1272/2008 (CLP)
Calcium dihydroxide		
CAS 1305-62-0	$4 \leq x < 4,5$	Eye Dam. 1 H318, Skin Irrit . 2 H315, STOT SE 3 H335
EC 215-137-3		
INDEX -		
Reg. No. 01-2119475151-45		
Ethylhydroxyethyl cellulose		
CAS 9004-58-4	$0.35 \leq x < 0.4$	Substance with a Community workplace exposure limit.
THERE IS		
INDEX -		

The full text of the hazard statements (H) is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately with plenty of water for at least 15 minutes, holding the eyelids wide open. Consult a doctor if the problem persists.

SKIN: Remove contaminated clothing. Shower immediately. Wash contaminated clothing before reuse.

INHALATION: Remove the person to fresh air. If breathing stops, perform artificial respiration. Call a physician immediately.

INGESTION: Call a doctor immediately. Do not induce vomiting. Do not give anything that is not expressly authorized by your doctor.



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4.2. Main symptoms and effects, both acute and delayed

There is no specific information available on symptoms and effects caused by the product.

4.3. Indication of any need to immediately consult a doctor and require special treatment

Information not available

SECTION 5. Fire prevention measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEANS

The extinguishing means are the traditional ones: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEANS

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE

Avoid breathing combustion products.

5.3 . Recommendations for firefighters

GENERAL INFORMATION

Cool containers with water jets to prevent product decomposition and the development of substances potentially hazardous to health. Always wear complete fire protection equipment. Collect extinguishing water that must not be discharged into drains. Dispose of contaminated fire extinguishing water and fire residue according to current regulations.

EQUIPMENT

Normal firefighting clothing, such as open-circuit compressed air breathing apparatus (EN 137), flame-retardant overalls (EN469), flame-retardant gloves (EN 659) and firefighter's boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if it is safe to do so.

Wear appropriate protective equipment (including personal protective equipment as per section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These instructions apply to both workers and emergency responders.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water or groundwater.

6.3. Methods and materials for containment and remediation

Suck up the spilled product into a suitable container. Assess the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide adequate ventilation of the area affected by the spill. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.



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SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10.

7.3. Specific end uses

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

EU OEL EU Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.

Calcium dihydroxide Threshold limit value

Type	State	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
OEL	EU	5			
Predicted no-effect concentration - PNEC					
Reference value in fresh water				0.49	mg/l
Reference value in sea water				0.32	mg/l
Reference value for STP microorganisms				3	mg/l
Reference value for the terrestrial compartment				1080	mg/kg

Health - Derived No-Effect Level - DNEL / DMEL

Exposure Way	Effects on consumers				Effects on workers			
	Sharp locals	Acute systemic	Chronic premises	Chronic systemic	Sharp locals	Acute systemic	Chronic premises	Chronic systemic
Inhalation					4 mg/m3	VND	1 mg/m3 8h	VND

Ethylhydroxyethyl cellulose Threshold limit value

Type	State	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
OEL	EU	5			
					Total dust

Legend:

(C) = CEILING ; INALAB = Inhalable Fraction ; RESPIR = Respirable Fraction ; TORAC = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected; NPI = no hazard identified.



8.2. Exposure controls

Considering that the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction.
When choosing personal protective equipment, seek advice from your chemical suppliers.
Personal protective equipment must bear the CE marking which certifies their compliance with current regulations.

Provide emergency shower with eye basin .

HAND PROTECTION

Protect your hands with category III work gloves (ref. standard EN 374).

For the final choice of work glove material, the following must be considered: compatibility, degradation, break-through time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not predictable. Gloves have a wear time that depends on the duration and method of use .

SKIN PROTECTION

Wear long-sleeved work clothes and category I professional safety footwear (ref. Directive 89/686/EEC and standard EN ISO 20344).
Wash with soap and water after removing protective clothing.

EYE PROTECTION

It is recommended to wear a hood visor or protective visor combined with airtight glasses (ref. standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type B filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapours of a different nature and/or gases or vapours with particles (aerosols, fumes, mists, etc.) are present, combined type filters must be provided.

The use of respiratory protection devices is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. The protection offered by masks is however limited.

In case the substance in question is odorless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or an external air-supplied respirator (ref. standard EN 138). For the correct choice of respiratory protection device, refer to standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment, should be monitored to comply with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	pasty liquid
Color	white
Odor	characteristic
Olfactory threshold	Not available
pH	8 - 9
Melting or freezing point	0 °C
Initial boiling point	100 °C
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability of solids and gases	Not available
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1,450 kg/l
Solubility	miscible
Partition coefficient: n- octanol /water	Not available



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Auto-ignition temperature
Decomposition temperature
Viscosity
Explosive properties
Oxidizing properties

Not available
Not available
6000 - 8000 cP
not applicable
not applicable

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Under normal conditions of use and storage, no hazardous reactions are expected.

10.4. Conditions to avoid

None in particular. However, take the usual precautions when handling chemicals.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria established by the reference legislation for classification. Therefore, consider the concentration of any individual hazardous substances mentioned in section 3 to assess the toxicological effects resulting from exposure to the product.

11.1. Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed and chronic effects resulting from short and long-term exposure

Information not available



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Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:
Not classified (no relevant components)
LD50 (Oral) of the mixture:
Not classified (no relevant components)
LD50 (Dermal) of the mixture:
Not classified (no relevant components)

Calcium Carbonate

LD50 (Oral) > 5000 mg/kg Rat

Ethylhydroxyethyl cellulose

LD50 (Oral) > 5 mg/kg Rat

titanium dioxide

LD50 (Oral) > 5000 mg/kg

LC50 (Inhalation) > 6.82 mg/l/4h rat

Calcium dihydroxide

LD50 (Oral) > 2500 mg/kg Rabbit

LD50 (Dermal) > 2500 mg/kg Rabbit

SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITIZATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY



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Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

DANGER IN CASE OF ASPIRATION

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use according to good working practices, avoiding dispersal of the product into the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

Calcium dihydroxide
1305-62-0 Calcium dihydroxide
LC50 (96h freshwater) = 158 mg/l (Invertebrates)
LC50 (96h freshwater) = 33,884 mg/l (African catfish - clarias gariepinu)
LC50 (96h freshwater) = 50.6 mg/l (Fish)
EC50 (48h) EC50 (72h)

Calcium Carbonate

LC50 - Fish	> 100000 mg/l/96h Oncorhynchus mykiss (Rainbow Trout)
EC50 - Crustaceans	> 1000 mg/l/48h Daphnia magna
EC50 - Algae / Aquatic Plants	> 200 mg/l/72h Desmodesmus subspicatus

Ethylhydroxyethyl cellulose

LC50 - Fish	> 100 mg/l/96h
-------------	----------------

titanium dioxide

LC50 - Fish	> 100 mg/l/96h
EC50 - Crustaceans	> 100 mg/l/48h Daphnia

Calcium dihydroxide

LC50 - Fish	467 mg/l/96h
EC50 - Crustaceans	49.1 mg/l/48h
EC50 - Algae / Aquatic Plants	184.57 mg/l/72h
NOEC Chronic Fish	56 mg/l 96h - Guppy - poecilia reticulata
NOEC Chronic Crustaceans	32 mg/l 14 D
Chronic NOEC Algae / Aquatic Plants	48 mg/l 72h



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12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Calcium dihydroxide
1305-62-0 Calcium dihydroxide
NOEC (21d) = 1080 mg/kg (Plants in general)
EC10/LC10 (NOEC) = 12000 mg/kg (Soil microorganisms)
2000 mg/kg (Soil macro-organisms)

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in a percentage greater than 0.1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal Considerations

13.1. Waste treatment methods

Reuse, if possible. Product residues are to be considered hazardous special waste. The hazardousness of wastes containing part of this product must be assessed according to the current legislative provisions.
Disposal must be entrusted to a company authorised to manage waste, in compliance with national and, where applicable, local legislation.
CONTAMINATED PACKAGING
Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not to be considered dangerous according to the current provisions regarding the transport of dangerous goods by road (ADR), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number

Not applicable

UN proper shipping name

Not applicable



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14.3. Transport hazard classes

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for users

Not applicable

14.7. Carriage of bulk cargoes according to Annex II of MARPOL and the IBC Code

Irrelevant information

SECTION 15. Regulatory Information

15.1. Legislative and regulatory provisions on health, safety and environment specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or the substances contained in accordance with Annex XVII of Regulation (EC) 1907/2006

Product
Point 3

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in a percentage greater than 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:



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None

Substances subject to the Stockholm Convention:

None

Health Checks

Workers exposed to this chemical agent which is hazardous to health must be subjected to health surveillance carried out in accordance with the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture and the substances it contains.

SECTION 16. Other information

Text of the hazard statements (H) cited in sections 2-3 of the sheet:

Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May irritate respiratory tract.

LEGEND:

- ADR: European Agreement concerning the carriage of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration that produces an effect in 50% of the test population
- CE NUMBER: Identification number in ESIS (European Archive of Existing Substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS : Emergency Schedule
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulations
- IC50: Immobilization concentration of 50% of the test population
- IMDG: International Maritime Dangerous Goods Code
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predicted Level of Exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international carriage of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure .
- TWA STEL: Short-term exposure limit
- TWA: Time Weighted Average Exposure Limit
- VOC: Volatile organic compound
- vPvB : Very Persistent and Very Bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:



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1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament and of the Council (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)

- The Merck Index. - 10th Edition

Safety Handling

- INRS - Fiche Toxicologique (toxicological sheets)
- Patty - Industrial Hygiene and Toxicology
- NI Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS Website
- ECHA Agency Website
- Database of SDS models of chemical substances - Ministry of Health and Istituto Superiore di Sanità

Note for user :

The information contained in this sheet is based on the knowledge available to us at the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product is not under our direct control, it is the user's obligation to observe under his own responsibility the laws and provisions in force regarding hygiene and safety. We assume no responsibility for improper use.

Provide adequate training to personnel involved in the use of chemicals.