



ECOMORTAR FINISH

2.3. Other hazards

In use, may form flammable/explosive dust-air mixture.

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
INDEX: 14808_60_7 CAS: 14808-60-7 EC: 238-878-4		[1]	50 \leq x % < 100
QUARTZ			
INDEX: 1305_62_0 CAS: 1305-62-0 EC: 215-137-3 REACH: 01-2119475151-45-0242	GHS07, GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	[1]	2.5 \leq x % < 10
CALCIUM HYDROXIDE			
INDEX: 10034_77_2 CAS: 10034-77-2 EC: 233-107-8	GHS07 Wng Eye Irrit. 2, H319		2.5 \leq x % < 10
CALCIUM SILICATE			
INDEX: 471_34_1 CAS: 471-34-1 EC: 207-439-9		[1]	2.5 \leq x % < 10
CALCIUM CARBONATE			
INDEX: 14808_60_7_2 CAS: 14808-60-7 EC: 238-878-4	GHS08 Dgr STOT RE 1, H372	[1]	0 \leq x % < 2.5
QUARTZ (FRACTION FINE)			

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 1305_62_0 CAS: 1305-62-0 EC: 215-137-3 REACH: 01-2119475151-45-0242		dermal: ATE = 2500 mg/kg BW oral: ATE = 2000 mg/kg BW
CALCIUM HYDROXIDE		

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.



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Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of swallowing :

Seek medical attention, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media**5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

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

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Neutralise with an acidic decontaminant.

Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.



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Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
1305-62-0	1	-	4	-	-

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
14808-60-7	-	0.1 A	-	-	-	25
1305-62-0	-	1	-	4	-	-
471-34-1	-	10	-	-	-	-
14808-60-7	-	0.1 A	-	-	-	25

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.3 mg/m3	-	-	-	R
1305-62-0	1 mg/m ³	4 mg/m ³	-	Respirable fraction	
471-34-1	10 mg/m3	-	-	-	TI
14808-60-7	0.3 mg/m3	-	-	-	R

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

CALCIUM CARBONATE (CAS: 471-34-1)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Inhalation.
Long term local effects.
4.26 mg of substance/m3

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
10 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Inhalation.
Long term local effects.
1.06 mg of substance/m3

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
10 mg of substance/m3

CALCIUM HYDROXIDE (CAS: 1305-62-0)



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Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

QUARTZ (CAS: 14808-60-7)

Final use:

Exposure method:
Potential health effects:
DMEL :

Workers.

Inhalation.
Long term local effects.
1 mg of substance/m3

Inhalation.
Short term local effects.
4 mg of substance/m3

Consumers.

Inhalation.
Short term systemic effects.
4 mg of substance/m3

Inhalation.
Long term systemic effects.
1 mg of substance/m3

Workers.

Inhalation.
Long term systemic effects.
0.025 mg of substance/m3

Predicted no effect concentration (PNEC):

CALCIUM CARBONATE (CAS: 471-34-1)

Environmental compartment: Waste water treatment plant.
PNEC : 100 mg/l

CALCIUM HYDROXIDE (CAS: 1305-62-0)

Environmental compartment: Soil.
PNEC : 1.080

Environmental compartment: Fresh water.
PNEC : 490

Environmental compartment: Sea water.
PNEC : 0.32

Environmental compartment: Fresh water sediment.
PNEC : 3.004

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.



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- Eye / face protection

- Avoid contact with eyes.
- Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.
- Prescription glasses are not considered as protection.
- Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

- Wear suitable protective gloves in the event of prolonged or repeated skin contact.
- Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.
- Gloves must be selected according to the application and duration of use at the workstation.
- Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
- Type of gloves recommended :
 - Natural latex
 - PVC (polyvinyl chloride)

- Body protection

- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

- Avoid inhaling dust.
- Type of FFP mask :
- Wear a disposable half-mask dust filter in accordance with standard EN149/A1.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state : Powder or dust.

Colour

Unspecified

Odour

Odour threshold : Not stated.

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not stated.

Strongly basic.

pH (aqueous solution) : Not stated.

**ECOMORTAR FINISH****Kinematic viscosity**

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Not relevant.

Density and/or relative density

Density : > 1

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- formation of dusts

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances**Acute toxicity :**

CALCIUM CARBONATE (CAS: 471-34-1)

Oral route :

LD50 > 2000 mg/kg bodyweight/day

Species : Rat

OECD Guideline 420 (Acute Oral Toxicity Fixed Dose Method)

Dermal route :

LD50 > 2000 mg/kg bodyweight/day

Species : Rat



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	OECD Guideline 402 (Acute Dermal Toxicity)
Inhalation route (Dusts/mist) :	LC50 > 3 mg/l Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity)
CALCIUM HYDROXIDE (CAS: 1305-62-0) Oral route :	LD50 = 2000 mg/kg bodyweight/day Species : Rat OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
Dermal route :	LD50 = 2500 mg/kg bodyweight/day Species : Rabbit OECD Guideline 402 (Acute Dermal Toxicity)
QUARTZ (CAS: 14808-60-7) Oral route :	LD50 > 2000 mg/kg bodyweight/day
Dermal route :	LD50 > 2000 mg/kg bodyweight/day
Skin corrosion/skin irritation :	
CALCIUM HYDROXIDE (CAS: 1305-62-0)	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
CALCIUM CARBONATE (CAS: 471-34-1)	Species : Rabbit OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
	Species : Rabbit OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
QUARTZ (CAS: 14808-60-7)	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Serious damage to eyes/eye irritation :	
CALCIUM CARBONATE (CAS: 471-34-1)	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)
	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)
	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)
	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)
QUARTZ (CAS: 14808-60-7)	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

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OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitisation :

CALCIUM CARBONATE (CAS: 471-34-1)

Local lymph node stimulation test :

Non-Sensitiser.

Species : Mouse

OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Guinea Pig Maximisation Test (GMPT) :

Non-sensitiser.

Species : Mouse

OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Buehler Test :

Non-sensitiser.

Species : Mouse

OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity :

CALCIUM CARBONATE (CAS: 471-34-1)

Mutagenesis (in vitro) :

No mutagenic effect.

Negative.

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Carcinogenicity :

CALCIUM CARBONATE (CAS: 471-34-1)

Carcinogenicity Test :

Negative.

No carcinogenic effect.

Species : Human

Reproductive toxicant :

CALCIUM CARBONATE (CAS: 471-34-1)

No toxic effect for reproduction

Study on development :

Species : Rat

OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Specific target organ systemic toxicity - repeated exposure :

CALCIUM CARBONATE (CAS: 471-34-1)

Oral route :

C = 1000 mg/kg bodyweight/day

Species : Rat

Duration of exposure : 90 days

OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Inhalation route :

C = 0.212 mg/litre/6h/day

Species : Rat

Duration of exposure : 90 days

OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

CALCIUM HYDROXIDE (CAS: 1305-62-0)

Oral route :

C = 36 mg/kg bodyweight/day

Duration of exposure : 90 days

11.1.2. Mixture

No toxicological data available for the mixture.

**ECOMORTAR FINISH****11.2. Information on other hazards****Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances****CALCIUM HYDROXIDE (CAS: 1305-62-0)**

Fish toxicity :

LC50 = 50.6 mg/l

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 49.1 mg/l

Duration of exposure : 48 h

Aquatic plant toxicity :

ECr50 = 184.57 mg/l

Duration of exposure : 72 h

CALCIUM CARBONATE (CAS: 471-34-1)

Fish toxicity :

Species : *Oncorhynchus mykiss*

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

Species : *Daphnia magna*

Duration of exposure : 48 h

OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

Algae toxicity :

ECr50 > 14 mg/l

Species : *Desmodesmus subspicatus*

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability**12.2.1. Substances****CALCIUM HYDROXIDE (CAS: 1305-62-0)**

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential**12.3.1. Substances****CALCIUM CARBONATE (CAS: 471-34-1)**

Octanol/water partition coefficient :

log K_{ow} < 3.**12.4. Mobility in soil**

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

**ECOMORTAR FINISH****12.7. Other adverse effects**

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number or ID number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

-

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

Container information:

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): <https://echa.europa.eu/substances-restricted-under-reach>.

Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

**ECOMORTAR FINISH****SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure .

Abbreviations and acronyms :

LD50	: The dose of a test substance resulting in 50% lethality in a given time period.
LC50	: The concentration of a test substance resulting in 50% lethality in a given period.
EC50	: The effective concentration of substance that causes 50% of the maximum response.
ECr50	: The effective concentration of substance that causes 50% reduction in growth rate.
REACH	: Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE	: Acute Toxicity Estimate
BW	: Body Weight
DNEL	: Derived No-Effect Level
DMEL	: Derived Minimal Effect Level
PNEC	: Predicted No-Effect Concentration
STEL	: Short-term exposure limit
TWA	: Time Weighted Averages
TMP	: French Occupational Illness table
TLV	: Threshold Limit Value (exposure)
AEV	: Average Exposure Value.
ADR	: European agreement concerning the international carriage of dangerous goods by Road.
IMDG	: International Maritime Dangerous Goods.
IATA	: International Air Transport Association.
ICAO	: International Civil Aviation Organisation
RID	: Regulations concerning the International carriage of Dangerous goods by rail.
WGK	: Wassergefährdungsklasse (Water Hazard Class).
GHS05	: Corrosion
PBT	: Persistent, bioaccumulable and toxic.
vPvB	: Very persistent, very bioaccumulable.
SVHC	: Substances of very high concern.