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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Lime Paint
Product code : KALK101

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use, Industrial use
Use of the substance/mixture : Paint

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Kalkhome VOF
Rozenberg 62
2400 Mol - Belgium

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315
Eye Dam. 1 H318
STOT SE 3 H335

Full text of H- and EUH-statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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GHS05

GHS07

Signal word	: Danger
Contains	: calcium hydroxide, Calcium oxide
Hazard statements (CLP)	: H315 - Causes skin irritation. H318 - Causes serious eye damage. H335 - May cause respiratory irritation.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P261 - Avoid breathing dust. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338+ P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.

2.3. Other hazards

Other hazards	: Results of PBT and vPvB assessment : Not applicable. Risk of dust explosion.
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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
calcium hydroxide substance with a Community workplace exposure limit	(CAS-No.) 1305-62-0 (EC-No.) 215-137-3	40 – 50	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Calcium oxide substance with a Community workplace exposure limit	(CAS-No.) 1305-78-8 (EC-No.) 215-138-9 (EC Index) -	5 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Hydrochloric acid substance with a Community workplace exposure limit	(CAS-No.) 7647-01-0 (EC-No.) 231-595-7 (EC Index) 017-002-00-2	< 0,1	Skin Corr. 1B, H314 STOT SE 3, H335

Specific concentration limits:

Substance name	Product identifier	Specific concentration limits
Hydrochloric acid	(CAS-No.) 7647-01-0 (EC-No.) 231-595-7 (EC Index) 017-002-00-2	(10 ≤C < 100) STOT SE 3, H335 (10 ≤C < 25) Eye Irrit. 2, H319 (10 ≤C < 25) Skin Irrit. 2, H315 (25 ≤C < 100) Skin Corr. 1B, H314

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Ingestion	: Rinse mouth thoroughly with water. Drink plenty of water. Get medical advice/attention.

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

Inhalation	: May cause respiratory irritation. The following symptoms may occur: Cough, sore throat. Inhalation of dust may cause irritation of the respiratory system.
Skin contact	: Causes skin irritation. The following symptoms may occur: Redness, pain. Swelling. Contact with dust may cause mechanical irritation or drying of the skin.
Eyes contact	: Causes serious eye damage. The following symptoms may occur: Redness, pain. Burns. Blurred vision. Dust may cause painful eye irritation and tearing.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards	: Not flammable. Risk of dust explosion.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Metal oxides.

5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment. Avoid dust formation. Knock down/dilute dust cloud with water spray.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Other information	: Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation. Avoid dust formation. Knock down/dilute dust cloud with water spray.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Protect from moisture. Bund storage facilities to prevent soil and water pollution in the event of spillage. Take precautionary measures against static discharge.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Special rules on packaging : Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep container tight closed.

Packaging materials : Keep only in the original container.

7.3. Specific end use(s)

Paint.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

calcium hydroxide (1305-62-0)		
EU	IOEL TWA	1 mg/m ³ (respirable fraction)
EU	IOEL STEL	4 mg/m ³ (respirable fraction)
Austria	MAK (OEL TWA)	1 mg/m ³ (inhalable fraction)
Austria	MAK (OEL STEL)	4 mg/m ³ (inhalable fraction)
Belgium	OEL TWA	1 mg/m ³ (alveolar fraction)
Belgium	OEL STEL	4 mg/m ³
Bulgaria	OEL TWA	1 mg/m ³ (respirable fraction)
Bulgaria	OEL STEL	4 mg/m ³ (respirable fraction)
Croatia	GVI (OEL TWA) [1]	1 mg/m ³ (respirable dust, inhalable fraction)
Croatia	KGVI (OEL STEL)	4 mg/m ³ (respirable dust; inhalable fraction)
Cyprus	OEL TWA	1 mg/m ³ (respirable fraction)
Cyprus	OEL STEL	4 mg/m ³ (respirable fraction)
Czech Republic	PEL (OEL TWA)	1 mg/m ³ (respirable fraction of aerosol)
Denmark	OEL TWA [1]	1 mg/m ³ (respirable fraction) 5 mg/m ³
Estonia	OEL TWA	1 mg/m ³
Estonia	OEL STEL	4 mg/m ³
Finland	HTP (OEL TWA) [1]	1 mg/m ³
Finland	HTP (OEL STEL)	4 mg/m ³
France	VME (OEL TWA)	5 mg/m ³
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	1 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Gibraltar	OEL TWA	1 mg/m ³ (respirable fraction)
Gibraltar	OEL STEL	4 mg/m ³ (respirable fraction)
Greece	OEL TWA	1 mg/m ³ (respirable fraction)
Greece	OEL STEL	4 mg/m ³ (respirable fraction)
Hungary	AK (OEL TWA)	1 mg/m ³ (respirable dust)
Hungary	CK (OEL STEL)	4 mg/m ³
Ireland	OEL TWA [1]	1 mg/m ³ (respirable dust)
Ireland	OEL STEL	4 mg/m ³ (respirable dust)
Italy	OEL TWA	1 mg/m ³ (respirable fraction)
Latvia	OEL TWA	1 mg/m ³ (respirable fraction)
Lithuania	IPRV (OEL TWA)	1 mg/m ³ (respirable fraction)
Lithuania	TPRV (OEL STEL)	4 mg/m ³ (respirable fraction)

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calcium hydroxide (1305-62-0)		
Luxembourg	OEL TWA	1 mg/m ³ (inhalable fraction)
Malta	OEL TWA	1 mg/m ³ (respirable fraction)
Malta	OEL STEL	4 mg/m ³ (respirable fraction)
Netherlands	MAC-TGG (OEL TWA)	1 mg/m ³ (respirable fraction)
Netherlands	MAC-15 (OEL STEL)	4 mg/m ³ (respirable dust)
Poland	NDS (OEL TWA)	2 mg/m ³ (inhalable fraction) 1 mg/m ³ (respirable fraction)
Poland	NDSch (OEL STEL)	4 mg/m ³ (respirable fraction) 6 mg/m ³ (inhalable fraction)
Portugal	OEL TWA	1 mg/m ³ (indicative limit value)
Portugal	OEL STEL	4 mg/m ³ (breathable fraction)
Romania	OEL TWA	1 mg/m ³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa-respirable fraction)
Romania	OEL STEL	4 mg/m ³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa-respirable fraction)
Slovakia	NPHV (OEL TWA) [1]	5 mg/m ³ (respirable fraction)
Slovenia	OEL TWA	1 mg/m ³ (respirable fraction)
Slovenia	OEL STEL	4 mg/m ³ (respirable fraction)
Spain	VLA-ED (OEL TWA) [1]	1 mg/m ³ (respirable fraction)
Spain	VLA-EC (OEL STEL)	4 mg/m ³ (respirable fraction)
Sweden	NGV (OEL TWA)	1 mg/m ³ (respirable fraction)
Sweden	KTV (OEL STEL)	4 mg/m ³ (respirable fraction)
United Kingdom	WEL TWA (OEL TWA) [1]	1 mg/m ³ (respirable fraction) 5 mg/m ³
United Kingdom	WEL STEL (OEL STEL)	4 mg/m ³ (respirable fraction) 15 mg/m ³ (calculated)
Norway	Grenseverdi (OEL TWA) [1]	1 mg/m ³ (respirable dust)
Norway	Korttidsverdi (OEL STEL)	4 mg/m ³ (value from the regulation-respirable dust)
Switzerland	MAK (OEL TWA) [1]	1 mg/m ³ (inhalable dust)
Switzerland	KZGW (OEL STEL)	4 mg/m ³ (inhalable dust)
Australia	OES TWA [1]	5 mg/m ³
Canada (Quebec)	VEMP (OEL TWA)	5 mg/m ³
USA - ACGIH	ACGIH OEL TWA	5 mg/m ³
USA - NIOSH	NIOSH REL TWA	5 mg/m ³
USA - OSHA	OSHA PEL TWA [1]	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Calcium oxide (1305-78-8)		
EU	IOEL TWA	1 mg/m ³ (respirable fraction)
EU	IOEL STEL	4 mg/m ³ (respirable fraction)
Austria	MAK (OEL TWA)	1 mg/m ³ (inhalable fraction)
Austria	MAK (OEL STEL)	4 mg/m ³ (inhalable fraction)
Belgium	OEL TWA	1 mg/m ³ (alveolar fraction)

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Calcium oxide (1305-78-8)		
Belgium	OEL STEL	4 mg/m ³
Bulgaria	OEL TWA	1 mg/m ³ (respirable fraction)
Bulgaria	OEL STEL	4 mg/m ³ (respirable fraction)
Croatia	GVI (OEL TWA) [1]	1 mg/m ³ (respirable dust; inhalable fraction)
Croatia	KGVI (OEL STEL)	4 mg/m ³ (respirable dust; inhalable fraction)
Cyprus	OEL TWA	1 mg/m ³ (respirable fraction)
Cyprus	OEL STEL	4 mg/m ³ (respirable fraction)
Czech Republic	PEL (OEL TWA)	1 mg/m ³ (respirable fraction of aerosol)
Denmark	OEL TWA [1]	1 mg/m ³ (respirable fraction) 2 mg/m ³
Estonia	OEL TWA	1 mg/m ³
Estonia	OEL STEL	4 mg/m ³
Finland	HTP (OEL TWA) [1]	1 mg/m ³
Finland	HTP (OEL STEL)	4 mg/m ³
France	VME (OEL TWA)	2 mg/m ³
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	1 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Gibraltar	OEL TWA	1 mg/m ³ (respirable fraction)
Gibraltar	OEL STEL	4 mg/m ³ (respirable fraction)
Greece	OEL TWA	1 mg/m ³ (respirable fraction)
Greece	OEL STEL	4 mg/m ³ (respirable fraction)
Hungary	AK (OEL TWA)	1 mg/m ³ (respirable dust)
Hungary	CK (OEL STEL)	4 mg/m ³ (respirable dust)
Ireland	OEL TWA [1]	1 mg/m ³ (respirable dust)
Ireland	OEL STEL	4 mg/m ³ (respirable dust)
Italy	OEL TWA	1 mg/m ³ (respirable fraction)
Latvia	OEL TWA	1 mg/m ³ (respirable fraction)
Lithuania	IPRV (OEL TWA)	1 mg/m ³ (respirable fraction)
Lithuania	TPRV (OEL STEL)	4 mg/m ³ (respirable fraction)
Luxembourg	OEL TWA	1 mg/m ³ (inhalable fraction)
Malta	OEL TWA	1 mg/m ³ (respirable fraction)
Malta	OEL STEL	4 mg/m ³ (respirable fraction)
Netherlands	MAC-TGG (OEL TWA)	1 mg/m ³ (respirable fraction)
Netherlands	MAC-15 (OEL STEL)	4 mg/m ³ (respirable dust)
Poland	NDS (OEL TWA)	2 mg/m ³ (inhalable fraction) 1 mg/m ³ (respirable fraction)
Poland	NDSch (OEL STEL)	6 mg/m ³ (inhalable fraction) 4 mg/m ³ (respirable fraction)
Portugal	OEL TWA	1 mg/m ³ (indicative limit value)
Portugal	OEL STEL	4 mg/m ³ (breathable fraction)

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Calcium oxide (1305-78-8)		
Romania	OEL TWA	1 mg/m ³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa-respirable fraction)
Romania	OEL STEL	4 mg/m ³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa-respirable fraction)
Slovakia	NPHV (OEL TWA) [1]	5 mg/m ³ (total aerosol)
Slovenia	OEL TWA	1 mg/m ³ (respirable fraction)
Slovenia	OEL STEL	4 mg/m ³ (respirable fraction)
Spain	VLA-ED (OEL TWA) [1]	1 mg/m ³ (respirable fraction)
Spain	VLA-EC (OEL STEL)	4 mg/m ³ (indicative limit value-respirable fraction)
Sweden	NGV (OEL TWA)	1 mg/m ³ (respirable fraction)
Sweden	KTV (OEL STEL)	4 mg/m ³ (respirable fraction)
United Kingdom	WEL TWA (OEL TWA) [1]	1 mg/m ³ (respirable fraction) 2 mg/m ³
United Kingdom	WEL STEL (OEL STEL)	4 mg/m ³ (respirable fraction) 6 mg/m ³ (calculated)
Norway	Grenseverdi (OEL TWA) [1]	1 mg/m ³ (respirable dust)
Norway	Korttidsverdi (OEL STEL)	4 mg/m ³ (value from the regulation)
Switzerland	MAK (OEL TWA) [1]	1 mg/m ³ (inhalable dust)
Switzerland	KZGW (OEL STEL)	4 mg/m ³ (inhalable dust)
Australia	OES TWA [1]	2 mg/m ³
Canada (Quebec)	VEMP (OEL TWA)	2 mg/m ³
USA - ACGIH	ACGIH OEL TWA	2 mg/m ³
USA - IDLH	IDLH	25 mg/m ³
USA - NIOSH	NIOSH REL TWA	2 mg/m ³
USA - OSHA	OSHA PEL TWA [1]	5 mg/m ³
Hydrochloric acid (7647-01-0)		
EU	IOEL TWA	8 mg/m ³
EU	IOEL TWA [ppm]	5 ppm
EU	IOEL STEL	15 mg/m ³
EU	IOEL STEL [ppm]	10 ppm
Austria	MAK (OEL TWA)	8 mg/m ³
Austria	MAK (OEL TWA) [ppm]	5 ppm
Austria	MAK (OEL STEL)	15 mg/m ³
Austria	MAK (OEL STEL) [ppm]	10 ppm
Belgium	OEL TWA	8 mg/m ³
Belgium	OEL TWA [ppm]	5 ppm
Belgium	OEL STEL	15 mg/m ³
Belgium	OEL STEL [ppm]	10 ppm
Bulgaria	OEL TWA	8 mg/m ³
Bulgaria	OEL TWA [ppm]	5 ppm
Bulgaria	OEL STEL	15 mg/m ³
Bulgaria	OEL STEL [ppm]	10 ppm

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Hydrochloric acid (7647-01-0)		
Croatia	GVI (OEL TWA) [1]	8 mg/m ³
Croatia	GVI (OEL TWA) [2]	5 ppm
Croatia	KGVI (OEL STEL)	15 mg/m ³
Croatia	KGVI (OEL STEL) [ppm]	10 ppm
Cyprus	OEL TWA	8 mg/m ³
Cyprus	OEL TWA [ppm]	5 ppm
Cyprus	OEL STEL	15 mg/m ³
Cyprus	OEL STEL [ppm]	10 ppm
Czech Republic	PEL (OEL TWA)	8 mg/m ³
Denmark	OEL C [ppm]	5 ppm
Denmark	OEL C	8 mg/m ³
Estonia	OEL TWA	8 mg/m ³
Estonia	OEL TWA [ppm]	5 ppm
Estonia	OEL STEL	15 mg/m ³
Estonia	OEL STEL [ppm]	10 ppm
Finland	HTP (OEL STEL)	7,6 mg/m ³ (anhydrous and in solution)
Finland	HTP (OEL STEL) [ppm]	5 ppm (anhydrous and in solution)
France	VLE (OEL C/STEL)	7,6 mg/m ³ (restrictive limit)
France	VLE (OEL C/STEL) [ppm]	5 ppm (restrictive limit)
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	3 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Occupational exposure limit value (ppm) (TRGS900)	2 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	OEL TWA	8 mg/m ³
Gibraltar	OEL TWA [ppm]	5 ppm
Gibraltar	OEL STEL	15 mg/m ³
Gibraltar	OEL STEL [ppm]	10 ppm
Greece	OEL TWA	7 mg/m ³
Greece	OEL TWA [ppm]	5 ppm
Greece	OEL STEL	7 mg/m ³
Greece	OEL STEL [ppm]	5 ppm
Hungary	AK (OEL TWA)	8 mg/m ³
Hungary	CK (OEL STEL)	16 mg/m ³
Ireland	OEL TWA [1]	8 mg/m ³
Ireland	OEL TWA [2]	5 ppm
Ireland	OEL STEL	15 mg/m ³
Ireland	OEL STEL [ppm]	10 ppm
Italy	OEL TWA	8 mg/m ³
Italy	OEL TWA [ppm]	5 ppm
Italy	OEL STEL	15 mg/m ³

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Hydrochloric acid (7647-01-0)		
Italy	OEL STEL [ppm]	10 ppm
Latvia	OEL TWA	8 mg/m ³
Latvia	OEL TWA [ppm]	5 ppm
Lithuania	IPRV (OEL TWA)	8 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	5 ppm
Lithuania	TPRV (OEL STEL)	15 mg/m ³
Lithuania	TPRV (OEL STEL) [ppm]	10 ppm
Luxembourg	OEL TWA	8 mg/m ³
Luxembourg	OEL TWA [ppm]	5 ppm
Luxembourg	OEL STEL	15 mg/m ³
Luxembourg	OEL STEL [ppm]	10 ppm
Malta	OEL TWA	8 mg/m ³
Malta	OEL TWA [ppm]	5 ppm
Malta	OEL STEL	15 mg/m ³
Malta	OEL STEL [ppm]	10 ppm
Netherlands	MAC-TGG (OEL TWA)	8 mg/m ³
Netherlands	MAC-15 (OEL STEL)	15 mg/m ³
Poland	NDS (OEL TWA)	5 mg/m ³
Poland	NDSch (OEL STEL)	10 mg/m ³
Portugal	OEL TWA	8 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	5 ppm (indicative limit value)
Portugal	OEL STEL	15 mg/m ³ (indicative limit value)
Portugal	OEL STEL [ppm]	10 ppm (indicative limit value)
Portugal	OEL C [ppm]	2 ppm
Romania	OEL TWA	8 mg/m ³
Romania	OEL TWA [ppm]	5 ppm
Romania	OEL STEL	15 mg/m ³
Romania	OEL STEL [ppm]	10 ppm
Slovakia	NPHV (OEL TWA) [1]	8 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	5 ppm
Slovakia	NPHV (OEL C)	15 mg/m ³
Slovenia	OEL TWA	8 mg/m ³ (anhydrous)
Slovenia	OEL TWA [ppm]	5 ppm (anhydrous)
Slovenia	OEL STEL	15 mg/m ³ (anhydrous)
Slovenia	OEL STEL [ppm]	10 ppm (anhydrous)
Spain	VLA-ED (OEL TWA) [1]	7,6 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	5 ppm (indicative limit value)
Spain	VLA-EC (OEL STEL)	15 mg/m ³
Spain	VLA-EC (OEL STEL) [ppm]	10 ppm
Sweden	NGV (OEL TWA)	3 mg/m ³
Sweden	NGV (OEL TWA) [ppm]	2 ppm

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Hydrochloric acid (7647-01-0)		
Sweden	KTV (OEL STEL)	6 mg/m ³
Sweden	KTV (OEL STEL) [ppm]	4 ppm
United Kingdom	WEL TWA (OEL TWA) [1]	2 mg/m ³ (aerosol mist and gas)
United Kingdom	WEL TWA (OEL TWA) [2]	1 ppm (aerosol mist and gas)
United Kingdom	WEL STEL (OEL STEL)	8 mg/m ³ (aerosol mist and gas)
United Kingdom	WEL STEL (OEL STEL) [ppm]	5 ppm (aerosol mist and gas)
Norway	Takverdi (OEL C) [1]	7 mg/m ³
Norway	Takverdi (OEL C) [2]	5 ppm
Switzerland	MAK (OEL TWA) [1]	3 mg/m ³
Switzerland	MAK (OEL TWA) [2]	2 ppm
Switzerland	KZGW (OEL STEL)	6 mg/m ³
Switzerland	KZGW (OEL STEL) [ppm]	4 ppm
Canada (Quebec)	Plafond (OEL C) [ppm]	2 ppm
USA - ACGIH	ACGIH OEL C [ppm]	2 ppm
USA - IDLH	IDLH [ppm]	50 ppm
USA - NIOSH	NIOSH REL C	7 mg/m ³
USA - NIOSH	NIOSH REL C [ppm]	5 ppm
USA - OSHA	OSHA PEL C	7 mg/m ³
USA - OSHA	OSHA PEL C [ppm]	5 ppm

Additional information : Recommended monitoring procedures :. Personal air monitoring. Room air monitoring

8.2. Exposure controls

Engineering measure(s) : Organisational measures to prevent /limit releases, dispersion and exposure. See Section 7 for information on safe handling. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only outdoors or in a well-ventilated area. Apply measures to prevent dust explosions. Ensure equipment is adequately earthed.

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection : Wear chemically resistant gloves (tested to EN374) . Suitable material: Not determined. Thickness : Not determined. Breakthrough time : Not determined. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection : Use suitable eye protection (EN166): Safety glasses with side shields

Body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Effective dust mask (EN 149). Half-face mask (DIN EN 140). full face mask (DIN EN 136). Filter type: P2 (EN 143)

Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls : Avoid release to the environment. Comply with applicable Community environmental protection legislation.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: White.
Odour	: odourless.
Odour threshold	: No data available
pH	: 11 – 13
pH solution	: 5 %
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: > 1000 °C
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Solubility	: soluble in water. Insoluble in the following materials: cold water.
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: Not applicable
Dynamic viscosity	: Not applicable
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: No data available
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

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9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions. Reference to other sections: 10.4 & 10.5.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Risk of dust explosion.

10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from moisture. See Section 7 for information on safe handling.

10.5. Incompatible materials

Oxidising agents. See Section 7 for information on safe handling.

10.6. Hazardous decomposition products

Reference to other sections 5.2.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

calcium hydroxide (1305-62-0)	
LD50/oral/rat	7340 mg/kg
LD50/dermal/rat	> 2500 mg/kg
LC50/inhalation/4h/rat	> 6,04 mg/l/4h
Calcium oxide (1305-78-8)	
LD50/oral/rat	500 mg/kg
LD50 oral	500 mg/kg
LD50/dermal/rabbit	> 2500 mg/kg (calcium hydroxide, OECD 402)
LC50/inhalation/4h/rat	> 6,04 mg/l/4h
Hydrochloric acid (7647-01-0)	
LD50/oral/rat	238 – 277 mg/kg
LD50/dermal/rabbit	> 5010 mg/kg
LC50/inhalation/4h/rat	1,68 mg/l (Exposure time: 1 h)

Skin corrosion/irritation : Causes skin irritation.

pH: 11 – 13

Serious eye damage/irritation : Causes serious eye damage.

pH: 11 – 13

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause respiratory irritation.

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STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Lime Paint	
Kinematic viscosity	Not applicable

Other information : Symptoms related to the physical, chemical and toxicological characteristics.
For further information see section 4.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

11.2.2 Other information

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

calcium hydroxide (1305-62-0)	
LC50 - Fish [1]	50,6 mg/l
LC50 - Fish [2]	457 mg/l
EC50 - Crustacea [1]	49,1 mg/l
EC50 - Crustacea [2]	158 mg/l
EC50 72h - Algae [1]	184,57 mg/l
EC50 72h - Algae [2]	48 mg/l
LOEC (acute)	80 mg/l
NOEC chronic crustacea	32 mg/l (14j)
NOEC chronic algae	33,3 mg/l
NOEC (additional information)	Effects on soil micro-organisms : 2000 - 12000 mg/kg Soil

Calcium oxide (1305-78-8)	
LC50 - Fish [1]	1070 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])
EC50 - Crustacea [1]	49,1 mg/l calcium hydroxide

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Hydrochloric acid (7647-01-0)

LC50 - Fish [1]	282 mg/l
EC50 - Crustacea [1]	100 -300 mg/l

12.2. Persistence and degradability

Lime Paint

Persistence and degradability	No additional information available.
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12.3. Bioaccumulative potential

Lime Paint

Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No additional information available.

calcium hydroxide (1305-62-0)

BCF - Fish [1]	(no bioaccumulation)
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Calcium oxide (1305-78-8)

BCF - Fish [1]	(no bioaccumulation)
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12.4. Mobility in soil

Lime Paint

Mobility in soil	No data available
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12.5. Results of PBT and vPvB assessment

Lime Paint

Results of PBT assessment	Not applicable
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12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : Not applicable

12.7. Other adverse effects

Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

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European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
na	Not Applicable	na	na

Germany

Regulatory reference	: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
German storage class (LGK)	: LGK 13 - Non-combustible solids
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Waterbezwaarlijkheid	: B (4) - Weinig schadelijk voor in het water levende organismen
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

Denmark

Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product
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15.2. Chemical safety assessment

Not applicable

SECTION 16: Other information

Abbreviations and acronyms:

	ABM = Algemene beoordelingsmethodiek
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
	ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
	CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
	IATA = International Air Transport Association
	IMDG = International Maritime Dangerous Goods Code
	LEL = Lower Explosive Limit/Lower Explosion Limit
	UEL = Upper Explosive Limit/Upper Explosion Limit
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level

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	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWG = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the : ECHA (European Chemicals Agency). LOLI. Supplier information. datasheet

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Other information : Classification - Assessment method: CLP Calculation method (Article 9).
Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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