

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

UFI: X6FJ-6RSN-6NF9-P815

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

Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Company name: Erfurt & Sohn KG
Wände zum Wohlfühlen
Street: Hugo-Erfurt-Straße 1
Place: D-42399 Wuppertal
Contact person: Herr Stephan Schmieder Telephone: +49 202 6110 - 420
e-mail: s.schmieder@erfurt.com
Internet: www.erfurt.com

1.4. Emergency telephone number:Giftnotrufzentrale Bonn
+49 228 19240**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**Skin Irrit. 2; H315
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Calcium (di)hydroxide

Signal word: Danger

Pictograms:**Hazard statements**H315 Causes skin irritation.
H318 Causes serious eye damage.**Precautionary statements**P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection.
P302+P352 IF ON SKIN: Wash with plenty of Water and soap.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P332+P313 If skin irritation occurs: Get medical advice/attention.

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 2 of 10

Special labelling of certain mixtures

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Labelling of packages where the contents do not exceed 125 ml**Signal word:**

Danger

Pictograms:**Hazard statements**

H318

Precautionary statements

P280-P305+P351+P338-P310

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
13463-67-7	titanium dioxide			1 - < 5 %
	236-675-5	022-006-00-2		
	Carc. 2; H351			
1305-62-0	Calcium (di)hydroxide			1 - < 5 %
	215-137-3		01-2119475151-45	
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			

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

Further Information

Titandioxid Classification according to Regulation (EC) No 1272/2008 [CLP] (14. ATP: Note W, Note 10)

SECTION 4: First aid measures

4.1. Description of first aid measures**General information**

When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 3 of 10

an unconscious person or a person with cramps.

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

No information available.

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**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide (CO), Pyrolysis products, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Avoid breathing spray.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothes. Use personal protection equipment. Avoid breathing spray.

Advice on protection against fire and explosion

Usual measures for fire prevention.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

Protect from frost.

7.3. Specific end use(s)

Restricted to professional users.

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 4 of 10

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1317-65-3	Calcium carbonate, respirable	-	4		TWA (8 h)	WEL
1305-62-0	Calcium hydroxide (respirable fraction)	-	1		TWA (8 h)	WEL
		-	4		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1305-62-0	Calcium (di)hydroxide			
Worker DNEL, long-term		inhalation	local	1 mg/m ³
Worker DNEL, acute		inhalation	local	4 mg/m ³
Consumer DNEL, long-term		inhalation	local	1 mg/m ³
Consumer DNEL, acute		inhalation	local	4 mg/m ³

PNEC values

CAS No	Substance	Value
1305-62-0	Calcium (di)hydroxide	
Freshwater		0,49 mg/l
Freshwater (intermittent releases)		0,49 mg/l
Marine water		0,32 mg/l
Micro-organisms in sewage treatment plants (STP)		3 mg/l
Soil		1080 mg/kg

8.2. Exposure controls

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Eye/face protection

Wear eye/face protection.

Hand protection

glove material:
 Butyl caoutchouc (butyl rubber)
 NBR (Nitrile rubber)

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 5 of 10

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

z.B. Half-face mask FFP2

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	white
Odour:	characteristic

	Test method
pH-Value (at 20 °C):	ca. 12,5

Changes in the physical state

Melting point/freezing point:	0 °C	Wasser
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Boiling point or initial boiling point and boiling range:	ca. 100 °C	Wasser
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Flash point:	not determined
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Flammability

Solid:	not determined
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Explosive properties

The product is not: Explosive.

Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Auto-ignition temperature:	not determined
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Self-ignition temperature

Solid:	not determined
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Gas:	not applicable
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Decomposition temperature:	not determined
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Oxidizing properties

The product is not: oxidising.

Vapour pressure:	not determined
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Density (at 20 °C):	ca. 0,99 g/cm ³
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Water solubility:	completely miscible
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Solubility in other solvents

not determined

Partition coefficient n-octanol/water:	not determined
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Viscosity / dynamic:	not applicable
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Viscosity / kinematic:	not applicable
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ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 6 of 10

Relative vapour density: not determined

Evaporation rate: not determined

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

Exothermic reaction with: strong acids

Formation of: Hydrogen - Aluminium, Brass

10.6. Hazardous decomposition productsIn case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide (CO), Pyrolysis products, toxic.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
13463-67-7	titanium dioxide				
	oral	LD50 > 5000 mg/kg	Rat	Study report (2006)	OECD Guideline 425
1305-62-0	Calcium (di)hydroxide				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2007)	OECD Guideline 425
	dermal	LD50 > 2500 mg/kg	Rabbit	Study report (1994)	EU Method B.3
	inhalation (4 h) dust/mist	LC50 > 6,04 mg/l	Rat	Study report (2010)	OECD Guideline 436

Irritation and corrosivity

Causes skin irritation. (On basis of test data)

Causes serious eye damage. (On basis of test data)

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 7 of 10

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience**Other observations**

No information available.

SECTION 12: Ecological information
12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
13463-67-7	titanium dioxide					
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2015)	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	Ecotoxicol. Environ. Safety 127, 144-152	OECD Guideline 202
	Algae toxicity	NOEC > 1 mg/l	32 d	Synedra ulna, Scenedesmus quadricauda, Stigeocloni	REACH Registration Dossier	OECD Guideline 201
	Crustacea toxicity	NOEC >= 5 mg/l	21 d	Daphnia magna	Publication (2013)	OECD Guideline 211
	Acute bacteria toxicity	(EC50 > 1000 mg/l)	3 h	activated sludge, domestic	REACH Registration Dossier	OECD Guideline 209
1305-62-0	Calcium (di)hydroxide					
	Acute fish toxicity	LC50 50,6 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 184,57 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 49,1 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Crustacea toxicity	NOEC 32 mg/l	14 d	Crangon septemspinosa	REACH Registration Dossier	Toxicity test was conducted by a standar
	Acute bacteria toxicity	(EC50 300,4 mg/l)	3 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier	OECD Guideline 209

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 8 of 10

BCF

CAS No	Chemical name	BCF	Species	Source
1305-62-0	Calcium (di)hydroxide	21,09	Lolium perenne cv Nui	Communications in So

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - used product

170904 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); other construction and demolition wastes; mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
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Marine transport (IMDG)

14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
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Air transport (ICAO-TI/IATA-DGR)

14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
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14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	No
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ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 9 of 10

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 9: Physical and chemical properties

Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation)

ERFURT-KlimaTec Akustik Oberputz OP 5 PRO Komp. A

Revision date: 27.10.2023

Page 10 of 10

intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>
Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315	On basis of test data
Eye Dam. 1; H318	On basis of test data

Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)