Top Plast Eco black 30 sec. 50ml (Comp. A)

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

1.1. Product identifier

Trade name/designation:

Top Plast Eco black 30 sec. 50ml (Comp. A)

Article No.:
T910201

UFI:
H4HV-PKQ4-F24X-U793

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

Use of the substance/mixture:
Adhesive

*

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

*

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

*

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	Calculation method.

*

2.2. Label elements

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

Hazard pictograms:



GHS07
Exclamation mark

Signal word: Warning

Top Plast Eco black 30 sec. 50ml (Comp. A)

Hazard components for labelling:
Hexamethylene diisocyanate, oligomers; calcium oxide

Hazard statements for health hazards	
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Supplemental hazard information	
EUH204	Contains isocyanates. May produce an allergic reaction.

Precautionary statements Prevention	
P280	Wear protective gloves and eye protection/face protection.

Precautionary statements Response	
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements Storage	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements Disposal	
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

*
2.3. Other hazards
Other adverse effects:
The product does not meet the PBT/vPvB criteria. The product does not meet the criteria regarding its endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

*
3.2. Mixtures
Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 28182-81-2 EC No.: 931-274-8 REACH No.: 01-2119485796-17	**Hexamethylene diisocyanate, oligomers** Acute Tox. 4 (H332), STOT SE 3 (H335), Skin Sens. 1 (H317)  Warning **Acute Toxicity Estimate** ATE (oral) > 2,500 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, dust/mist) 1.5 mg/L **Additional information:** Substance that poses a risk to health or the environment and meets the criteria set out in Regulation (EU) No. 2020/878.	60 – 100 %
CAS No.: 1305-78-8 EC No.: 215-138-9 REACH No.: 01-2119475325-36	**calcium oxide** Eye Dam. 1 (H318), STOT SE 3 (H335), Skin Irrit. 2 (H315)  Danger **Acute Toxicity Estimate** ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,500 mg/kg	0.1 – 3 %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

*
4.1. Description of first aid measures
General information:
Never give anything by mouth to an unconscious person!

Following inhalation:
Remove the victim from the exposure site, provide him/her with clean air and keep him/her in a resting position. In severe cases such as cardio-respiratory arrest, apply artificial respiration techniques (mouth-to-mouth resuscitation, cardiac massage, oxygen supply, etc.). Medical advice should be sought immediately.

In case of skin contact:
May cause an allergic skin reaction. After contact with skin, wash immediately with plenty of water and soap. BEI Skin changes (burning, redness, rash, blisters, ...) consult a doctor and show him this safety data sheet.

After eye contact:
Flush eyes with plenty of water for at least 15 minutes. If the affected person wears contact lenses, remove them as far as they do not stick to the eyes, otherwise additional injuries may occur. In all cases, a doctor must be consulted as soon as possible after washing and the safety data sheet presented to him.

Following ingestion:
Do NOT induce vomiting. If vomiting occurs, hold the head forward to avoid inhalation. Keep the person in a resting position. Rinse mouth and throat as they may have been affected by ingestion.

Self-protection of the first aider:
Symptoms of poisoning may occur after contact, so if in doubt, consult a doctor in case of direct contact with the chemical product or persistence of indisposition, and present the safety data sheet of this product to the doctor.

* 4.2. Most important symptoms and effects, both acute and delayed
The immediate and delayed effects are given in sections 2 and 11.

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:
Product is not flammable under normal conditions of storage, handling and use. In the event of ignition due to improper handling, storage or application, fire extinguishers with polyvalent powder (ABC powder) should preferably be used. fire protection installations, fire extinguishers with polyvalent powder (ABC powder) should preferably be used.

Unsuitable extinguishing media:
None known

* 5.2. Special hazards arising from the substance or mixture
As a result of combustion or thermal decomposition, reactive sub-products are formed that can be highly toxic and therefore pose a high and can therefore pose a high health risk.

Hazardous combustion products:
Carbon oxides, Nitrogen oxides, Hydrogen cyanide (hydrocyanic acid), toxic gases

* 5.3. Advice for firefighters
Depending on the size of the fire, it may be necessary to use full protective clothing and autonomous breathing apparatus may be required. There should be a minimum stock of emergency facilities or equipment (fireproof blankets, portable first aid kit, ...) in accordance with Directive 89/654/EC. first-aid kit, ...) should be available in accordance with Directive 89/654/EC.

* 5.4. Additional information
Proceed in accordance with the internal emergency plan and the information sheets on what to do in the event of accidents and other emergencies. proceed. Keep away all sources of ignition. In case of fire, cool the storage containers and tanks of products that may catch fire or explode or explode or are at risk of BLEVE due to elevated temperatures. The leakage of products used in Avoid leakage of products used in firefighting into groundwater.

SECTION 6: Accidental release measures

* **6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1. For non-emergency personnel

Personal precautions:

Isolate leaks as far as this does not pose an additional risk to the persons involved. In view of possible In view of possible contact with the spilled product, the use of personal protective equipment is mandatory (see section 8). Evacuate area and keep away persons without protective equipment.

Emergency procedures:

Leave the danger zone as far as possible, use existing emergency plans if necessary.

6.1.2. For emergency responders

Personal protection equipment:

Wear protective equipment. Keep unprotected persons away.

* **6.2. Environmental precautions**

The product is not classified as dangerous for the environment. Do not allow to enter drains/surface water/ground water.

* **6.3. Methods and material for containment and cleaning up**

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information:

Cover a spill with a suitable (non-flammable) absorbent material (sand, diatomaceous earth, soil and other suitable absorbent materials), collect it in a well-sealed container and dispose of it in accordance with section 13. In case of leakage of large quantities of the product, inform the fire brigade and other competent bodies. After removing the product, wash contaminated area with plenty of water. Do not use solvents.

6.4. Reference to other sections

See section 7 for further information on safe handling.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

* **7.1. Precautions for safe handling**

Protective measures

Advices on safe handling:

Comply with the legislation in force on the prevention of industrial risks. Keep containers hermetically closed. Keep spilled substances and residues under control and dispose of by safe methods (section 6). Avoid leakage from the container. Places where hazardous products are handled must be kept tidy and clean.

Fire prevent measures:

Product is not flammable under normal conditions of storage, handling and use. Slow decanting is recommended to avoid the build-up of electrostatic charges that could affect flammable products.

Environmental precautions:

It is recommended to have absorbent material in the immediate vicinity of the product (see section 6.3).

Advices on general occupational hygiene

The usual precautions when handling chemicals must be observed. Wash hands before breaks and after work. Keep away from food, drink and animal feed. Remove contaminated clothing and protective equipment before entering areas where food will be served. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

* **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions:

Prevent access for unauthorised persons.

Requirements for storage rooms and vessels:
Do not store product in passageways and stairways. Keep only in the original container in a cool, well-ventilated place. Store at room temperature. Store in a dry place. Avoid sources of heat, radiation, static electricity and contact with food. Further information (see section 10.5).

Storage class (TRGS 510, Germany): 10 – Combustible liquids that cannot be assigned to any of the above storage classes

*
7.3. Specific end use(s)

Recommendation:
With the exception of the instructions already listed, no special recommendations are required regarding the use of this product.

SECTION 8: Exposure controls/personal protection

*
8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT) from 25 Sept 2018	**calcium oxide** CAS No.: 1305-78-8 EC No.: 215-138-9	① 1 mg/m³ ⑤ (einatembare Fraktion) E
MAK (AT)	**calcium oxide** CAS No.: 1305-78-8 EC No.: 215-138-9	② 4 mg/m³ ⑤ (einatembare Fraktion max. 8x5 min./Schicht, Momentanwert) E; 5(Mow); 8x
IOELV (EU) from 21 Feb 2017	**calcium oxide** CAS No.: 1305-78-8 EC No.: 215-138-9	① 1 mg/m³ ② 4 mg/m³ ⑤ (respirable fraction)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	0.5 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	1 mg/m³	① DNEL worker ② Acute - inhalation, local effects
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	1 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	1 mg/m³	① DNEL Consumer ② Long-term – inhalation, local effects
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	4 mg/m³	① DNEL worker ② Acute - inhalation, local effects

Top Plast Eco black 30 sec. 50ml (Comp. A)

Substance name	DNEL value	① DNEL type ② Exposure route
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	4 mg/m³	① DNEL Consumer ② Acute - inhalation, local effects

Substance name	PNEC Value	① PNEC type
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	0.127 mg/L	① PNEC aquatic, freshwater
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	0.0127 mg/L	① PNEC aquatic, marine water
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	38.3 mg/L	① PNEC sewage treatment plant
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	266,700 mg/kg	① PNEC sediment, freshwater
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	26,670 mg/kg	① PNEC sediment, marine water
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	53,182 mg/kg	① PNEC soil
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8	1.27 mg/L	① PNEC aquatic, intermittent release
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	0.37 mg/L	① PNEC aquatic, freshwater
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	0.24 mg/L	① PNEC aquatic, marine water
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	2.27 mg/L	① PNEC sewage treatment plant
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	817.4 mg/kg	① PNEC soil

*
8.2. Exposure controls

8.2.1. Appropriate engineering controls

As a precautionary measure, the use of basic individual protective equipment with the appropriate CE marking is recommended. For further information on individual protective equipment (storage, use, cleaning, maintenance, protection class...), please refer to the information brochure of the respective manufacturer. The indications given in this point refer to the pure product. The protective measures for the diluted product may differ depending on the degree of dilution, use, application method, etc. To determine the obligation to install emergency showers and/or eyewash devices in the warehouses, the respective applicable regulations regarding the storage of chemical products must be taken into account. For more information, see sections 7.1 and 7.2.

8.2.2. Personal protection equipment



Eye/face protection:
obligatory, Panorama safety goggles against splashes and / or ejection, CE CAT II, EN ISO 16321-1:2022+ A1:2025, EN ISO 4007:2018 Clean daily and disinfect at regular intervals according to the manufacturer's instructions. Use when there is a risk of splashing is recommended.

Skin protection:
Hand protection:
obligatory, Disposable gloves, Breakthrough time: >480 min. Thickness of the glove material: 0,5mm; Replace gloves at any sign of damage. CE CAT III, EN ISO 21420:2020. As the product is a mixture of different materials, the resistance of the glove material cannot be calculated in advance and must be verified shortly before use.

Body protection:
Protective work clothing (e.g. safety shoes EN ISO 20345, long-sleeved work clothing). CE CAT I; Replace before signs of deterioration appear. CE III is recommended for professional/industrial users exposed to the substance for prolonged periods, in accordance with EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994 regulations.

Respiratory protection:
When workers are exposed to concentrations exceeding the exposure limits, they must wear appropriate and approved respiratory protective equipment.

Thermal hazards:
No further relevant information available.

Other protection measures:
The usual precautions when handling chemicals must be observed. Wash hands before breaks and after work. Keep away from food, drink and animal feed. Remove contaminated clothing and protective equipment before entering areas where food will be served.
Emergency shower ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011
Eye wash DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

8.2.3. Environmental exposure controls

Taking into account Community legislation on environmental protection, it is recommended to avoid leakage of both the product and its packaging into the environment. For further information, see section 7.1.

* **8.3. Additional information**

Density of volatile organic compounds: 0 kg/m³ (0 g/L)

SECTION 9: Physical and chemical properties

* **9.1. Information on basic physical and chemical properties**

Appearance

Physical state: Liquid
Form: Paste
Colour: white
Odour: characteristic
flammability: Yes

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*No data available*		
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	*No data available*		
Flash point	*not applicable*		② The product is not flammable. (>60°C)
Evaporation rate	*No data available*		

Parameter	Value	at °C	① Method ② Remark
Auto-ignition temperature	*No data available*		
Upper/lower flammability or explosive limits	*No data available*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	1,240 kg/m³	20 °C	
Relative density	1.24		
Bulk density	*not applicable*		
Water solubility	*No data available*		
Dynamic viscosity	*No data available*		
Kinematic viscosity	*No data available*		
Viscosity (40°C)	> 20.5 mm²/s		

* **9.2. Other information**

No data available

SECTION 10: Stability and reactivity

* **10.1. Reactivity**

No dangerous reactions are to be expected if the technical instructions for storage of chemicals are observed.

10.2. Chemical stability

Chemically stable under conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

None known.

* **10.5. Incompatible materials**

Avoid: strong acids, alkalines

* **10.6. Hazardous decomposition products**

See sections 10.3, 10.4 and 10.5 for specific degradation products. Depending on the degradation conditions, complex mixtures of chemical substances may be released during degradation: Carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: Toxicological information

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

Toxicological information

Acute Toxicity Estimate for Mixtures
ATE (inhalation, gases): 12.3 ppmV calculated.
ATE (inhalation, vapour): 1.68 mg/L calculated.
Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8
LD_{50} oral: >2,500 mg/kg (Rat) OECD 423
LD_{50} dermal: >2,000 mg/kg (Rat) OECD 402
LC_{50} Acute inhalation toxicity (dust/mist): 1.5 mg/L (Rat) OECD 403
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9
LD_{50} oral: >2,000 mg/kg (Rat) OECD 425
LD_{50} dermal: >2,500 mg/kg (Rabbit) OECD 402

Acute oral toxicity:
Based on available data, the classification criteria are not met. It does not contain substances classified as dangerous if ingested. For further information see section 3.

Acute dermal toxicity:
Based on available data, the classification criteria are not met. However, it contains substances that are classified as hazardous with regard to this effect.

Acute inhalation toxicity:
Exposure at high concentrations may cause central nervous system depression and headache, dizziness, nausea, vomiting, confusion and in severe cases loss of consciousness. Causes respiratory irritation which is usually reversible and confined to the upper respiratory tract.

Skin corrosion/irritation:
Based on available data, the classification criteria are not met. However, it contains substances that are classified as hazardous with regard to this effect.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.
May cause allergic reactions.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met. It does not contain substances classified as dangerous if ingested. For further information see section 3.

Carcinogenicity:
Based on available data, the classification criteria are not met. None of the components of this product are classified as carcinogenic by IARC, NTP.

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

STOT-single exposure:
Causes respiratory irritation which is usually reversible and confined to the upper respiratory tract.

STOT-repeated exposure:
Based on available data, the classification criteria are not met. It does not contain substances classified as dangerous if ingested. For further information see section 3.

Aspiration hazard:
Based on available data, the classification criteria are not met. It does not contain substances classified as dangerous if ingested. For further information see section 3.

* 11.2. Information on other hazards

Endocrine disrupting properties:
None of the ingredients are included. The product does not meet the criteria regarding its endocrine disrupting properties.

SECTION 12: Ecological information

* 12.1. Toxicity

Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8
LC_{50}: >100 mg/L 4 d (fish, Brachydanio rerio) OECD 203
EC_{50}: >100 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
IC_{50}: >100 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus) OECD 201
ErC_{50}: >1,000 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus) DIN 38412 T.9

calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9
LC_{50}: 50.6 mg/L 4 d (fish)
LC_{50}: 457 mg/L 4 d (fish)
EC_{50}: 49.1 mg/L 2 d (crustaceans)
EC_{50}: 158 mg/L 2 d (crustaceans)
NOEC: 32 mg/L (crustaceans)
NOEC: 48 mg/L 3 d (Algae/water plant)
EC_{50}: 184.57 mg/L 3 d

Additional ecotoxicological information:
There are no experimental data of the mixture per se regarding ecotoxicological properties.

* **12.2. Persistence and degradability**

Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8
Biodegradation: Poorly biodegradable.

* **12.3. Bioaccumulative potential**

Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8
Log K_{OW}: 3.2
Bioconcentration factor (BCF): 376.7

* **12.4. Mobility in soil**
No data available

* **12.5. Results of PBT and vPvB assessment**

Hexamethylene diisocyanate, oligomers CAS No.: 28182-81-2 EC No.: 931-274-8
Results of PBT and vPvB assessment: —
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9
Results of PBT and vPvB assessment: —

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

* **12.6. Endocrine disrupting properties**
The product does not meet the criteria regarding its endocrine disrupting properties.

12.7. Other adverse effects
Water hazard class 1: slightly hazardous to water

SECTION 13: Disposal considerations

* **13.1. Waste treatment methods**
Dispose of by the authorised waste manager in accordance with the recovery and disposal operations set out in Annex 1 and Annex 2 (Directive 2008/98/EC). According to codes 15 01 (2014/955/EC), if the container has been in direct contact with the product, treat it in the same way as the product itself, otherwise as if there were no hazardous residues. Do not allow to enter drains. See section 6.2. In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH), the Community or national provisions regarding waste recovery shall be complied with. Community legislation: Directive 2008/98/EC, 2014/955/EC, Regulation (EU) No 1357/2014. National regulations: Act on the Reorganisation of the Recycling and Waste Management Law. Of 24 February 2012.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

08 04 09 *	Waste adhesives and sealants containing organic solvents or other dangerous substances

**: Evidence for disposal must be provided.*

Directive 2008/98/EC (Waste Framework Directive)

HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 6	Acute Toxicity
HP 13	Sensitising

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
not applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation
Authorisations:
Regulation (EU) No 528/2012 (Biocidal products) calcium oxide - PT: (2, 3)
Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878, Annex XVII (restrictions) None of the ingredients are included.
Does not contain a REACH candidate substance. Does not contain a substance listed in REACH Annex XIV.
Ozone Regulation (2024/590) None of the ingredients are included.
Regulation (EC) 2019/1021 [POP Regulation] None of the ingredients are included.
Regulation (EU) No 649/2012 (PIC) None of the ingredients are included.
Seveso category: not relevant
Restrictions on the marketing and use of certain substances and hazardous mixtures (Annex XVII of REACH, etc.):
Must not be used:
—in decorative items intended to produce light or colour effects (through phase change), e.g. in mood lamps and ashtrays;
—in novelty toys;
—in games for one or more players or in articles intended for use as such, including for decorative purposes.
Occupational exposure to respirable crystalline silica must be controlled in accordance with Directive (EU) 2019/130.
Specific injunctions concerning personal and environmental protection: It is recommended that the information in this safety data sheet be used as input to data collected in a risk assessment of local conditions in order to take the necessary measures to prevent hazards for the management, use, storage and disposal of this product.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compound (VOC) content: 0 Vol-%

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

* **16.1. Indication of changes**

1.3.	Details of the supplier of the safety data sheet
1.4.	Emergency telephone number
2.1.	Classification of the substance or mixture
2.2.	Label elements
2.3.	Other hazards
3.2.	Mixtures
4.1.	Description of first aid measures
4.2.	Most important symptoms and effects, both acute and delayed
5.1.	Extinguishing media
5.2.	Special hazards arising from the substance or mixture
5.3.	Advice for firefighters
5.4.	Additional information
6.1.	Personal precautions, protective equipment and emergency procedures
6.2.	Environmental precautions
6.3.	Methods and material for containment and cleaning up
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
7.3.	Specific end use(s)
8.1.	Control parameters
8.2.	Exposure controls
8.3.	Additional information
9.1.	Information on basic physical and chemical properties
9.2.	Other information
10.1.	Reactivity
10.5.	Incompatible materials
10.6.	Hazardous decomposition products
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
11.2.	Information on other hazards
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.4.	Mobility in soil
12.5.	Results of PBT and vPvB assessment
12.6.	Endocrine disrupting properties
13.1.	Waste treatment methods
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

* **16.2. Abbreviations and acronyms**

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Occupational Exposure Limit Value
ATE	Acute Toxicity Estimate

AVV	Waste Shipment Ordinance (DE)
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EAK	European Waste Catalogue
EC_{50}	Effective Concentration 50%
EG	European Community
EN	European Standard
ES	Exposure scenario
EU	European Union
EWC	European Waste Catalogue
IARC	International Agency for Research on Cancer
IC_{50}	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
NTP	National Toxicology Program
OECD	Organisation for Economic Cooperation and Development
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
Tox.	Toxicity
TRGS	Technische Regeln für Gefahrstoffe
UFI	Unique Formula Identifier
UN	United Nations
VOC	Volatile organic compounds

16.3. Key literature references and sources for data
No data available

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16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	Calculation method.

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16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

Hazard statements	
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.