Top Plast Eco black 3,5min. 250ml (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 3,5min. 250ml (Comp. A)

Article No.:
T910250

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.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	

2.2. Label elements

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

Hazard pictograms:



GHS07
Exclamation mark

Signal word: Warning

Hazard components for labelling:
calcium oxide; Polyisocyanate, aliphatic

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	
P261	Avoid breathing vapours and spray.
P280	Wear protective gloves and eye protection/face protection.

Precautionary statements Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER if you feel unwell.

2.3. Other hazards

Other adverse effects:
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The product does not contain any substances with endocrine-disrupting properties in concentrations of ≥ 0.1%.

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	**Polyisocyanate, aliphatic** The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. **Acute Toxicity Estimate** ATE (oral) > 2,500 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, dust/mist) 1.5 mg/L	70 – 90 Vol-%
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	1 – 2 Vol-%
CAS No.: 13463-67-7 EC No.: 236-675-5 Index No.: 022-006-00-2 REACH No.: 01-2119489379-17	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** Carc. 2 (H351)  Warning **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) > 6.8 mg/L	0.1 – < 1 Vol-%

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:
Fresh air supply, consult a doctor in case of complaints.

In case of skin contact:
Wash with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. In case of skin irritation, consult a physician.

After eye contact:
First rinse with water for a long time, (remove contact lenses if this is easily possible), then consult a doctor.

Following ingestion:
Rinse mouth thoroughly with water. Drink plenty of water. Call a physician immediately.

Self-protection of the first aider:
First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed
If applicable, delayed symptoms and effects can be found in section 11. or in the routes of intake under section 4.1.
Symptoms of poisoning may not appear for many hours, therefore medical monitoring for at least 48 hours after an accident.

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:
Adapt fire extinguishing measures to the surroundings.
Water spray jet, Foam, Carbon dioxide (CO2), Dry extinguishing powder

Unsuitable extinguishing media:
None known

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products:
Carbon oxides, Nitrogen oxides, Hydrogen cyanide (hydrocyanic acid), toxic gases

5.3. Advice for firefighters
Personal protection equipment: see section 8. Do not inhale explosion and combustion gases. Use suitable breathing apparatus.
Cool endangered containers with water spray. Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Wear personal protection equipment (refer to section 8). Provide adequate ventilation. Remove all sources of ignition. Avoid dust formation with solid or powdery products. Wear protective equipment. Keep unprotected persons away. Avoid contact with skin, eyes and clothes. If necessary, observe the risk of slipping.

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:
Personal protection equipment: see section 8.

6.2. Environmental precautions
Contain in case of escape of larger quantities. Stop leak if safe to do so. Do not allow to enter into surface water or drains. Prevent the product from entering waste water, surface water, ground water. In case of spillage into water or sewage system, inform the competent authorities.

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).

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:

Ensure good ventilation/extraction at the workplace. Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff. Take care for the labels and safety data sheets of the chemicals to be used.

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.

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.

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:

No further relevant information available.

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)
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)
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)

Top Plast Eco black 3,5min. 250ml (Comp. A)

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 11 Sept 2007	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** CAS No.: 13463-67-7 EC No.: 236-675-5	② 10 mg/m³ ⑤ (alveolengängige Fraktion, max. 2x60 min./Schicht)
MAK (AT) from 11 Sept 2007	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m³ ⑤ (alveolengängige Fraktion)

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
Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8	0.5 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
Polyisocyanate, aliphatic 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
calcium oxide CAS No.: 1305-78-8 EC No.: 215-138-9	4 mg/m³	① DNEL Consumer ② Acute - inhalation, local effects
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	700 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects

Top Plast Eco black 3,5min. 250ml (Comp. A)

Substance name	DNEL value	① DNEL type ② Exposure route
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	10 mg/m³	① DNEL worker ② Long-term – inhalation, local effects

Substance name	PNEC Value	① PNEC type
Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8	0.127 mg/L	① PNEC aquatic, freshwater
Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8	0.0127 mg/L	① PNEC aquatic, marine water
Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8	38.3 mg/L	① PNEC sewage treatment plant
Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8	266,700 mg/kg	① PNEC sediment, freshwater
Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8	26,670 mg/kg	① PNEC sediment, marine water
Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8	53,182 mg/kg	① PNEC soil
Polyisocyanate, aliphatic 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
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.184 mg/L	① PNEC aquatic, freshwater
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.0184 mg/L	① PNEC aquatic, marine water
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/L	① PNEC sewage treatment plant

Substance name	PNEC Value	① PNEC type
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	1,000 mg/kg	① PNEC sediment, freshwater
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC sediment, marine water
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC soil
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.193 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure good ventilation. This can be achieved by local exhaust ventilation or general exhaust air. If this is not sufficient to keep the concentration below the occupational exposure limits (OEL), suitable respiratory protection must be worn. Applies only if exposure limits are listed here. Appropriate assessment methods for verifying the effectiveness of the protective measures taken include metrological and non-measured methods of determination. Such methods are described by e.g. EN 14042, TRGS 402 (Germany). EN 14042 "Workplace atmospheres. Guidance for the application and use of methods and equipment for the determination of chemical and biological agents". TRGS 402 (Germany) "Determining and assessing the hazards of activities involving hazardous substances - Inhalation exposure".

8.2.2. Personal protection equipment

Eye/face protection:

Safety goggles with side shields (EN 166).

Skin protection:

Hand protection:
Chemical resistant protective gloves (EN ISO 374).
Glove material:
Butyl caoutchouc (butyl rubber)
Neoprene®
NBR (Nitrile rubber)
PVC (polyvinyl chloride)
Thickness of the glove material: 0,5mm
Breakthrough time: >= 480 min.
The determined breakthrough times according to EN 16523-1 were not carried out under practical conditions. A maximum wearing time corresponding to 50% of the breakthrough time is recommended.
Hand protection cream recommended.
Additional information on hand protection - No tests have been carried out. For mixtures, the selection was made to the best of our knowledge and based on the information provided by the ingredients. For substances, the selection was derived from the glove manufacturer's information. Final selection of glove material must be made with consideration of breakthrough times, permeation rates and degradation. The selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use. The exact breakthrough time of the glove material must be obtained from the protective glove manufacturer and must be observed.

Body protection:
Protective work clothing (e.g. safety shoes EN ISO 20345, long-sleeved work clothing).

Respiratory protection:
Filter A (EN 14387), brown
Filter B (EN 14387), grey
Filter P3 (EN 143), white
Observe the wear time limits as specified by the manufacturer.

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.

8.2.3. Environmental exposure controls
No further relevant information available.

SECTION 9: Physical and chemical properties

*

9.1. Information on basic physical and chemical properties

Appearance

Form: Paste
Colour: white
Odour: characteristic
flammability: Yes

Safety relevant basis data

Parameter	Value	① Method ② Remark
Initial boiling point and boiling range	*No data available*	
Evaporation rate	*No data available*	
Vapour pressure	*No data available*	
Relative density	1.21	
Water solubility	*No data available*	
Dynamic viscosity	55 Pa* s	

9.2. Other information
The product is not explosive.

9.2.1. Information with regard to physical hazard classes

Oxidizing liquids:
No.

SECTION 10: Stability and reactivity

10.1. Reactivity
The product has not been tested.

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
Alkalis, strong oxidants, Acids

10.6. Hazardous decomposition products
No dangerous decomposition products known.

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): calculated.
ATE (inhalation, vapour): 1.68 mg/L calculated.
Polyisocyanate, aliphatic 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
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
LD_{50} oral: >5,000 mg/kg (Rat) OECD 425
LD_{50} dermal: >5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (dust/mist): >6.8 mg/L (Rat)

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

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

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

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

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

STOT-single exposure:
Based on available data, the classification criteria are not met.

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.

Additional information:
No further relevant information available.

11.2. Information on other hazards

Endocrine disrupting properties:
None of the ingredients are included.

SECTION 12: Ecological information

12.1. Toxicity

Polyisocyanate, aliphatic 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
ErC_{50}: >1,000 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus) DIN 38412 T.9
IC_{50}: >100 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus) OECD 201
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
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
LC_{50}: >100 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
LC_{50}: >100 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: 16 mg/L 3 d (Algae/water plant, Pseudokirchnerie lla subcapitata) U.S. EPA-600/9- 78-018

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8
Biodegradation: Poorly biodegradable.

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

Polyisocyanate, aliphatic CAS No.: 28182-81-2 EC No.: 931-274-8
Log K_{OW}: 3.2
Bioconcentration factor (BCF): 376.7
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
Bioconcentration factor (BCF): 9.6

Accumulation / Evaluation:
No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Polyisocyanate, aliphatic 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: —
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
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
None of the ingredients are included.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.*

Waste treatment options

Appropriate disposal / Product:
Disposal via waste water is not recommended. Observe local regulations. For example, suitable incineration plant. Cured product: Can be disposed of with household waste.

Appropriate disposal / Package:
Uncleaned packaging: Observe local regulations. Empty container completely. Non-contaminated packaging can be reused. Packaging that cannot be cleaned must be disposed of in the same way as the substance.

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:
Observe national regulations/laws on maternity protection (especially the national implementation of Directive 92/85/EEC)! The general hygiene measures for handling chemicals must be applied. Regulation (EU) No. 649/2012 "concerning the export and import of dangerous chemicals" must be observed, as the product contains a substance that falls within the scope of this regulation.

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**

3.2.	Mixtures
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.7.	Other adverse effects
14.3.	Transport hazard class(es)
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

* **16.2. 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	Threshold Limit Value
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
EC_{50}	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
EWC	European Waste Catalogue
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
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
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

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

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.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	

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

Hazard statements	
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

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.