Techno Solv Eco 5l

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

* **1.1. Product identifier**

Trade name/designation:

Techno Solv Eco 5l

Article No.:
T110233

UFI:
8KKV-876M-MR1C-XUQQ

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

Use of the substance/mixture:
Solvent mixture for removing adhesives

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
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

2.2. Label elements

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

Hazard pictograms:

GHS08
Health hazard

GHS07
Exclamation mark

Signal word: Danger

Hazard components for labelling:
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements for health hazards	
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statements Prevention	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ .

Precautionary statements Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .
P331	Do NOT induce vomiting.
P337 + P313	If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Other adverse effects:
Based on the available information, the product does not contain any PBT or vPvB substances in content percentages ≥ 0.1%.
The product does not contain any substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-47-8 EC No.: 926-141-6 Index No.: 649-422-00-2 REACH No.: 01-2119456620-43-XXXX	**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics** Asp. Tox. 1 (H304) Danger **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, vapour) > 5 mg/L **Additional information:** EUH066	≥ 58 – < 62 %
CAS No.: 5131-66-8 EC No.: 225-878-4 Index No.: 603-052-00-8 REACH No.: 01-2119475527-28	**1-butoxypropan-2-ol** Eye Irrit. 2 (H319), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315) Warning **Acute Toxicity Estimate** ATE (oral) 3,300 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) > 3.5 mg/L ATE (inhalation, dust/mist) > 3.52 mg/L	≥ 21 – < 22.5 %
CAS No.: 34590-94-8 EC No.: 252-104-2 REACH No.: 01-2119450011-60	**(2-methoxymethylethoxy)propanol** Substance with a community workplace exposure limit. **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) 9,510 mg/kg	≥ 9 – < 10.5 %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
If in doubt or if symptoms occur, consult a doctor and show them this document. In the event of severe symptoms, call the emergency services immediately.

Following inhalation:
The person concerned shall be carried outside, away from the scene of the accident. If breathing stops, artificial respiration shall be given. Where appropriate artificial ventilation. If unconscious but breathing normally, place in recovery position and seek medical advice.

In case of skin contact:
Take off immediately all contaminated clothing. Wash with plenty of water. A doctor must be consulted immediately. Avoid contact with contaminated clothing.

After eye contact:
Any contact lenses must be removed. One must immediately and extensively wash with water for at least 15 minutes, opening the eyelids well. A doctor must be consulted immediately.

Following ingestion:
Do not induce vomiting unless explicitly authorised by a doctor. Never give anything by mouth to an unconscious person or a person with cramps. A doctor must be consulted immediately.

Self-protection of the first aider:
The emergency responder assisting a person who has been exposed to a chemical substance or mixture should wear personal protective equipment. The type of equipment depends on the hazard of the substance or mixture, the nature of the exposure and the extent of the contamination. If no other specific information is given, disposable gloves should be worn in case of possible contact with biological fluids. For the type of PPE appropriate and the characteristics of the substance or mixture, see Section 8.

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

There is no known specific information on symptoms and effects caused by this product.
Based on the information currently available, there are no known cases of delayed effects following exposure to the product.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
In case of skin contact, Eye contact: Wash with plenty of water/soap.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Carbon dioxide, Foam, Powder, Water mist

Unsuitable extinguishing media:
Nothing special.

5.2. Special hazards arising from the substance or mixture

In case of fire: Avoid inhalation of combustion products.

5.3. Advice for firefighters

The containers shall be cooled with water jets to prevent the decomposition of the product and the formation of potentially harmful substances. Complete fire protective clothing shall be worn at all times. Extinguishing water that is not allowed to enter the sewage pipes shall be collected. The water used for extinguishing and the fire residues shall be taken up in accordance with the regulations in force.

Personal protection equipment: Normal firefighting clothing, e.g. an open-circuit compressed air respirator (EN 137) firefighting kit (EN469), firefighting gloves (EN 659) and firefighting boots (HO A 29 or A30)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

The leakage may be blocked if there is no danger. Appropriate protective devices (including personal protective devices as per para. 8 from the safety instructions) shall be put on to prevent contamination of skin, eyes and personal clothing. These instructions apply to both reprocessing supervisors and emergency stop interventions.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Prevent the product from entering waste water, surface water, ground water.

6.3. Methods and material for containment and cleaning up

Other information:

The spilled product must be sucked into a suitable container. The container to be used shall be tested for compatibility with the product, subject to section 10. The residual product shall be absorbed with inert absorbent material. Adequate ventilation of the affected area shall be provided. Contaminated material must be disposed of in accordance with the regulations in section 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Keep away from heat, sparks and free flame, refrain from smoking and use of matches or lighters. Without the necessary ventilation, vapours may accumulate in the lower layers near the floor and may also ignite remotely with the risk of flashback. Accumulation of electrostatic charges must be avoided. Eating, drinking and smoking are prohibited during product use. Wetted clothing and protective devices must be removed before entering the eating area. Avoid dispersal of the product in the environment.

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Store only in original containers. It must be stored in a cool and well-ventilated place, away from heat sources, free flame, sparks and other sources of ignition. The containers must be kept away from any incompatible materials, whereby reference must be made to section 10.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

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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)	**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics** CAS No.: 64742-47-8 EC No.: 926-141-6	① 200 mL/m³ ② 400 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/ Isohexanen von weniger als 25 %)
MAK (AT)	**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics** CAS No.: 64742-47-8 EC No.: 926-141-6	① 170 mL/m³ ② 340 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/ Isohexanen von 25 % oder mehr)
MAK (AT)	**(2-methoxymethylethoxy)propanol** CAS No.: 34590-94-8 EC No.: 252-104-2	① 50 ppm (307 mg/m³) ② 100 ppm (614 mg/m³) ⑤ (max. 8x5 min./Schicht, Momentanwert, kann über die Haut aufgenommen werden) H
IOELV (EU)	**(2-methoxymethylethoxy)propanol** CAS No.: 34590-94-8 EC No.: 252-104-2	① 50 ppm (308 mg/m³) ⑤ (may be absorbed through the skin)

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
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	147 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	43 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	52 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	22 mg/kg bw/ day	① DNEL Consumer ② Long-term - dermal, systemic effects
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	12.5 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	308 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	37.2 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects

Substance name	DNEL value	① DNEL type ② Exposure route
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	283 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	121 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	36 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	525 µg/L	① PNEC aquatic, freshwater
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	52.5 µg/L	① PNEC aquatic, marine water
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	10 mg/L	① PNEC sewage treatment plant
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	2.36 µg/L	① PNEC sediment, freshwater
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	236 µg/L	① PNEC sediment, marine water
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	0.16 mg/kg	① PNEC soil
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	19 mg/L	① PNEC aquatic, freshwater
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	1.9 mg/L	① PNEC aquatic, marine water
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	4.168 mg/L	① PNEC sewage treatment plant
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	70.2 mg/kg	① PNEC sediment, freshwater
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	7.02 mg/kg	① PNEC sediment, marine water
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	2.74 mg/kg	① PNEC soil

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

The use of penetration-proof goggles is recommended (ref. standard EN 16321).

Skin protection:

Hand protection:

The hands must be protected with category III work gloves. When selecting the material of work gloves, the following points must be observed (see standard EN 374): Compatibility, degradation, permeability time. In the case of preparations, the resistance of work gloves to chemical agents must be tested before use, as it cannot be predicted. The glove wear time is determined by the duration of exposure and the conditions of use.

Skin protection:
Work clothing with long sleeves and category II accident protection shoes must be worn (see Regulation 2016/425 and standard EN ISO 20344). After taking off the protective clothing, one must wash with soap and water.

Respiratory protection:
If the technical measures taken are not sufficient to reduce the worker's exposure to the threshold values taken into account, respiratory protection devices must be used. It is recommended to wear a mask with a type A filter, the class of which (1, 2 or 3) should be selected according to the highest concentration used. (see standard EN 14387). If the substance in question is odourless or its odour threshold exceeds the corresponding TLV-TWA, or in an emergency, a self-operated open-circuit compressed air breathing apparatus (ref. standard EN 137) or a breathing apparatus with an external air inlet (ref. standard EN138) must be worn. For the correct selection of the respiratory protective device, refer to standard EN 529.

Other protection measures:
Considering that appropriate protective measures should always take precedence over personal protective clothing, ensure that the workplace is well ventilated by effective local exhaust ventilation. For the selection of personal protective equipment, the trusted chemical manufacturers may need to be consulted. The personal protective equipment must be CE marked to indicate its suitability for the applicable regulations.
Emergency stop showers with face-eye-rinsing are to be provided.

8.2.3. Environmental exposure controls
Emissions from manufacturing processes, including those from ventilation equipment, should be checked for compliance with environmental legislation. Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: colourless
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	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	> 60 °C	
Evaporation rate	*No data available*	
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	0.85 g/cm³	
Bulk density	*not applicable*	
Water solubility	*No data available*	
Dynamic viscosity	*No data available*	
Kinematic viscosity	*No data available*	

* 9.2. Other information
Total solids (250°C / 482°F): 66,30 %
VOC (Directive 2010/75/EU): 32,05 %, 272,43 g/l
VOC (volatile carbon): 19,56 %, 166,25 g/l

SECTION 10: Stability and reactivity

* 10.1. Reactivity
No special reaction hazards with other substances under normal conditions of use.

(2-methoxymethylethoxy)propanol: Forms peroxides with: Air.

10.2. Chemical stability
The product is stable in normal conditions of use and storage.

* 10.3. Possibility of hazardous reactions
Vapours can form explosive mixtures with air.

(2-methoxymethylethoxy)propanol: Reacts strongly or explosively with certain oxidising agents.

* 10.4. Conditions to avoid
Avoid heating. Accumulation of electrostatic charges must be avoided. Remove all sources of ignition.

(2-methoxymethylethoxy)propanol: Avoid exposure to: Heat sources, open flames. Explosion risk.

10.5. Incompatible materials
Data not available.

10.6. Hazardous decomposition products
Vapours potentially hazardous to health may be formed by thermal decomposition or in case of fire.

SECTION 11: Toxicological information

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

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS No.: 64742-47-8 EC No.: 926-141-6
LD_{50} oral: >5,000 mg/kg (Rat)
LD_{50} dermal: >5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): >5 mg/L 4 h (Rat)
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4
ATE (oral): 3,300 mg/kg
ATE oral: 3,300 mg/kg
ATE (dermal): >2,000 mg/kg
ATE dermal: >2,000 mg/kg
ATE inhalativ Gase: >3.5 ppmV
ATE (inhalation, dust/mist): >3.52 mg/L
LD_{50} oral: 2,124 – 2,700 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rat) OECD402
LC_{50} Acute inhalation toxicity (vapour): >3.5 mg/L 4 h
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
ATE (dermal): 9,510 mg/kg
LD_{50} oral: >5,000 mg/kg (Rat) OECD 401
LD_{50} dermal: 9,510 mg/kg (Rabbit) OECD 402

Skin corrosion/irritation:
Causes skin irritation.
Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Does not fall under the classification criteria of this hazard class

Germ cell mutagenicity:
Does not fall under the classification criteria of this hazard class

Carcinogenicity:
Does not fall under the classification criteria of this hazard class

Reproductive toxicity:
Does not fall under the classification criteria of this hazard class

STOT-single exposure:
Does not fall under the classification criteria of this hazard class

STOT-repeated exposure:
Does not fall under the classification criteria of this hazard class

Aspiration hazard:
toxic

Additional information:
As no experimental toxicological data on the product are available, the possible health risks were evaluated on the properties of the substances contained according to the criteria of the reference standards for classification. For the evaluation of toxicological effects in case of product exposure, the concentrations of the individual pollutants possibly listed under para. 3 have to be considered.

11.2. Information on other hazards

Other information:
According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

SECTION 12: Ecological information

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12.1. Toxicity

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS No.: 64742-47-8 EC No.: 926-141-6
LC_{50}: 1,000 mg/L 4 d (fish, Oncorhynchus mykiss)
EC_{50}: 1,000 mg/L 2 d (crustaceans, Daphnia magna)
EC_{50}: 1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4
LC_{50}: 560 – 1,000 mg/L 4 d (fish, Poecilia reticulata) OECD 203
LC_{50}: >1,000 mg/L (crustaceans)
LC_{50}: >1 mg/L (Daphnia magna)
EC_{50}: >1,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: >1,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
NOEC: 560 mg/L 4 d (Algae/water plant, Pseudokirchnerella subcapitata)
ErC_{50}: >1,000 mg/L 4 d (Algae/water plant, Pseudokirchnerella subcapitata)
EC_{50}: >1,000 mg/L 4 d (Pseudokirchneriella subcapitata) Äquivalent zu OECD 201
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
LC_{50}: 10,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: 1,919 mg/L 4 d (fish, Pimephales promelas)
NOEC: >0.5 mg/L 21 d (crustaceans, Daphnia magna) OECD 202
ErC_{50}: >969 mg/L 4 d (Algae/water plant, Pseudokirchnerella subcapitata) OECD 201
NOEC: >969 mg/L 4 d (Algae/water plant, Pseudokirchnerella subcapitata) OECD 201
LC_{50}: >10,000 mg/L 4 d (fish)
EC_{50}: 1,919 mg/L 4 d (crustaceans)

Additional ecotoxicological information:

Use in accordance with good working practices and ensure that the product does not enter the environment. Notify the relevant authorities if the product has entered water courses or if the product has contaminated the soil or vegetation.

* 12.2. Persistence and degradability

1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4
Biodegradation: Yes, rapidly
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
Biodegradation: Yes, rapidly

* 12.3. Bioaccumulative potential

1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4
Log K_{OW}: 1.2
Bioconcentration factor (BCF): < 100
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
Log K_{OW}: 0.004

12.4. Mobility in soil

No data available

* 12.5. Results of PBT and vPvB assessment

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS No.: 64742-47-8 EC No.: 926-141-6
Results of PBT and vPvB assessment: —
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4
Results of PBT and vPvB assessment: —
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
Results of PBT and vPvB assessment: —

Based on the available information, the product does not contain any PBT or vPvB substances in content percentages ≥ 0.1%.

12.6. Endocrine disrupting properties

According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with environmental effects to be assessed.

* 12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

* 13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered as hazardous waste. The hazardousness of the waste partially containing this product must be evaluated on the basis of the legal provisions in force. Disposal must be entrusted to a company authorised for waste management, taking into account national and, where applicable, local regulations.
Disposal of waste arising from the use or distribution of this product must be in accordance with health and safety regulations. See Section 8 for possible need for PPE.

Waste treatment options

Appropriate disposal / Package:

Contaminated packaging material must be sent for recycling or disposal in accordance with the country's waste management regulations.

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
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 legislation

Restrictions on use:

Not subject to the SEVESO III Directive.
Restrictions on the product or substances according to Annex XVII Regulation (EC) 1907/2006: point 3 - 40
Substances contained: point 75
Regulation (EU) 2019/1148 (marketing and use of explosives precursors): not applicable
Substances according to Candidate List (Art. 59 REACH): Based on the available information, the product does not contain SVHC substances in percentages ≥ 0.1%.
Substances subject to authorisation (Annex XIV REACH): None of the ingredients are included.
Substances subject to export notification Regulation (EU) 649/2012: None of the ingredients are included.
Substances subject to the Rotterdam Convention: None of the ingredients are included.
Substances subject to the Stockholm Convention: None of the ingredients are included.
Preventive medical check-ups: No precautionary examinations are required when working with this product. This is only on condition that the results of the risk assessment prove that there is only a moderate risk to the safety and health of workers and that the measures provided for by Directive 98/24/EC are sufficient to limit the risk.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 32.05

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

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16.1. Indication of changes

1.1.	Product identifier
2.1.	Classification of the substance or mixture
3.2.	Mixtures
7.2.	Conditions for safe storage, including any incompatibilities
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
9.2.	Other information
10.1.	Reactivity
10.3.	Possibility of hazardous reactions
10.4.	Conditions to avoid
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
12.7.	Other adverse effects
13.1.	Waste treatment methods
14.1.	UN number or ID number
14.2.	UN proper shipping name
14.3.	Transport hazard class(es)
14.4.	Packing group
14.5.	Environmental hazards
14.6.	Special precautions for user
14.7.	Maritime transport in bulk according to IMO instruments
14.8.	Additional information
15.3.	Additional information
16.1.	Indication of changes
16.3.	Key literature references and sources for data
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
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
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
TWA	Time Weighted Average
UN	United Nations
VOC	Volatile organic compounds

* 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
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

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

Hazard statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye 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.