SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Date of creation: 27 Jun 2023
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Version: 5, replaces version 4

Power Repair 21 creme 5 min. 50ml (Comp. A)

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

1.1. Product identifier

Trade name/designation:

Power Repair 21 creme 5 min. 50ml (Comp. A)

Article No.:
T911200

UFI:
Q1P6-STKW-K06W-83Y0

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

Use of the substance/mixture:
Adhesive

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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
Email: 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
flammable liquids *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	

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2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

Hazard components for labelling:
methyl methacrylate

Hazard statements for physical hazards	
H225	Highly flammable liquid and vapour.

Hazard statements for health hazards	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours and spray.
P280	Wear protective gloves.

Precautionary statements Response	
P312	Call a POISON CENTER/doctor/ 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%.
Hazardous vapours, heavier than air.
Re-ignition at distant ignition sources is possible due to distribution near the ground.

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.: 80-62-6 EC No.: 201-297-1 Index No.: 607-035-00-6 REACH No.: 01-2119452498-28-0000	**methyl methacrylate** Flam. Liq. 2 (H225), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Danger **Acute Toxicity Estimate** ATE (oral) > 6,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, vapour) > 29.8 mg/L	60 – 95 %
CAS No.: 34562-31-7 EC No.: 252-091-3	**3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine** Acute Tox. 4 (H302, H312), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315) Warning **Acute Toxicity Estimate** ATE (oral) > 500 mg/kg ATE (dermal) > 1,000 mg/kg	5 – 10 %

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

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information:
Never give anything by mouth to an unconscious person!

Following inhalation:
Remove person from danger zone.
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. Do NOT induce vomiting. 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.
Dermatitis, Allergic reactions, Cough, Irritation of the mucous membranes of the nose and throat

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:
Water spray jet, Foam, Carbon dioxide (CO2), Dry extinguishing powder

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture

Formation of explosive/highly flammable vapour/air mixtures possible.

Hazardous combustion products:
Carbon oxides, Nitrogen oxides, 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).

For cleaning up:
Pour the collected material into a sealable container. Dispose of waste according to applicable legislation.

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 breathing vapours. Avoid contact with skin, eyes and clothes. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Do not eat, drink or smoke when using this product. Follow the instructions for use on the label.

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:
Store out of reach of unauthorised persons. Do not store the product in passageways and stairways. Store product only in the original packaging and closed. Observe special instructions for aerosols. Observe special storage conditions. Do not store together with oxidising or spontaneously combustible substances.

Storage class (TRGS 510, Germany): 3 – Flammable liquids

Further information on storage conditions:
Protect from sunlight. Store in a cool dry place.

7.3. Specific end use(s)

Recommendation:
No further relevant information 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**
IOELV (EU)	**methyl methacrylate** CAS No.: 80-62-6 EC No.: 201-297-1	① 50 ppm ② 100 ppm
MAK (AT)	**methyl methacrylate** CAS No.: 80-62-6 EC No.: 201-297-1	② 100 ppm (420 mg/m³) ⑤ (max. 8x5 min./Schicht, Momentanwert) 5(Mow); 8x; Sh

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)	**methyl methacrylate** CAS No.: 80-62-6 EC No.: 201-297-1	① 50 ppm (210 mg/m³) ⑤ Sh

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
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	348.4 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	74.3 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	208 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	104 mg/m³	① DNEL Consumer ② Long-term – inhalation, local effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	416 mg/m³	① DNEL worker ② Acute - inhalation, local effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	208 mg/m³	① DNEL Consumer ② Acute - inhalation, local effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	13.67 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	8.2 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	1.5 mg/cm²	① DNEL worker ② Long-term - dermal, local effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	1.5 mg/cm²	① DNEL Consumer ② Long-term - dermal, local effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	1.5 mg/cm²	① DNEL worker ② Acute - dermal, local effects
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	1.5 mg/cm²	① DNEL Consumer ② Acute - dermal, local effects

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Substance name	DNEL value	① DNEL type ② Exposure route
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	8.2 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	0.94 mg/L	① PNEC aquatic, freshwater
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	0.094 mg/L	① PNEC aquatic, marine water
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	10 mg/L	① PNEC sewage treatment plant
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	10.2 mg/kg	① PNEC sediment, freshwater
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	0.102 mg/kg	① PNEC sediment, marine water
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1	1.47 mg/kg	① PNEC soil

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)
Thickness of the glove material: 0,7mm
Breakthrough time: >= 60min.
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:
If the occupational exposure limit value (AGW, Germany) or MAK (Switzerland, Austria) is exceeded. Respiratory protection mask Filter A (EN 14387), identification colour brown. Observe wearing time limits for respirators.

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

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9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Form: Paste
Colour: According to product designation
Odour: characteristic
flammability: Yes

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	4.5 – 5.5		② 5%
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	101 °C		
Flash point	10 °C		
Evaporation rate	3		
Auto-ignition temperature	*No data available*		
Upper/lower flammability or explosive limits	2.1 – 12 Vol-%		
Vapour pressure	28 mm Hg	20 °C	
Vapour density	3.5		
Density	*No data available*		
Relative density	0.96	20 °C	
Bulk density	*not applicable*		
Water solubility	*No data available*		
Dynamic viscosity	40,000 – 60,000 cP	25 °C	
Kinematic viscosity	*No data available*		

9.2. Other information
Formation of explosive/highly flammable vapour/air mixtures possible.

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.

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10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
Strong heating, Heat sources, open flames

10.5. Incompatible materials
strong oxidants

10.6. Hazardous decomposition products
No dangerous decomposition products known.

SECTION 11: Toxicological information

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

Toxicological information

Acute Toxicity Estimate for Mixtures
ATE (oral): 10,000 mg/kg calculated.
ATE (dermal): 22,000 mg/kg calculated.
methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
LD_{50} oral: >6,000 mg/kg (Rat) OECD 401
LD_{50} dermal: >5,000 mg/kg (Rabbit) OECD 402
LC_{50} Acute inhalation toxicity (vapour): >29.8 mg/L 4 h (Rat)
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine CAS No.: 34562-31-7 EC No.: 252-091-3
LD_{50} oral: >500 mg/kg (Rat)
LD_{50} dermal: >1,000 mg/kg (Rabbit)

Acute inhalation 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

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
LC_{50}: 130 mg/L 4 d (fish, Pimephales promelas) OECD 203
EC_{50}: 69 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: 37 mg/L 4 d (Algae/water plant, Selenastrum capricornutum) OECD 201
NOEC: 49 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201
NOEC: 37 mg/L 21 d (crustaceans, Daphnia magna) OECD 211

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
Biodegradation: Yes, rapidly

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
Log K_{OW}: 1.38

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

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
Results of PBT and vPvB assessment: —
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine CAS No.: 34562-31-7 EC No.: 252-091-3
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
No further relevant information available.

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12.7. Other adverse effects
water hazard class: Not classified

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The waste codes given are recommendations based on the expected use of this product. Due to the specific use and disposal conditions at the user's site, other waste codes may be assigned under certain circumstances. (2014/955/EU)

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**			
1133	1133	1133	1133
* **14.2. UN proper shipping name**			
ADHESIVES	ADHESIVES	ADHESIVES	ADHESIVES
* **14.3. Transport hazard class(es)**			
 3	 3	 3	 3
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No
* **14.6. Special precautions for user**			
Special Provisions: Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage. **Limited quantity (LQ):** 5 L **Hazard identification number (Kemler No.):** 33 **Classification code:** F1 **Tunnel restriction code:** (D/E) **Remark:** Transport category 2	**Special Provisions:** Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage. **Limited quantity (LQ):** 5 L **Classification code:** F1 **Remark:** Transport category 2	**Special Provisions:** Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage. **Limited quantity (LQ):** 5 L **Excepted Quantities (EQ):** E2 **EmS-No.:** F-E, S-D	**Special Provisions:** Persons engaged in the carriage of dangerous goods shall be instructed. Safety regulations shall be observed by all persons involved in the carriage. Precautions shall be taken to prevent damage. **Limited quantity (LQ):** Y341 **Excepted Quantities (EQ):** E2

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

Restrictions on use:
Comply with national regulations and legislation on the protection of young people at work (in particular the national implementation of Directive 94/33/EC)! Comply with the regulations of the employers' liability insurance association and occupational health services!
Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may need to be considered depending on storage, handling etc.):

Quantity threshold (in tonnes) for dangerous substances referred to in Article 3(10) for the application of - Requirements for lower-tier establishments: 5000
Quantity threshold (in tonnes) for dangerous substances referred to in Article 3(10) for the application of - Requirements for upper-tier establishments: 50000

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:

- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

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

Volatile organic compound (VOC) content: 60 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

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16.1. Indication of changes

1.3.	Details of the supplier of the safety data sheet
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
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
14.1.	UN number or ID number
14.2.	UN proper shipping name
14.3.	Transport hazard class(es)
14.6.	Special precautions for user
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.3.	Additional information
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

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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
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
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

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
flammable liquids *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
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	
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.

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* Data changed compared with the previous version.