Power Repair 21 creme 5 min. 400ml (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. 400ml (Comp. A)

Article No.:
T911400

UFI:
CRT4-96JT-RWPR-K5YV

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

No data available

* 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
flammable liquids *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	On basis of test data.
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	Calculation method.
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.
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

*
2.2. Label elements

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

Hazard pictograms:



GHS07
Exclamation mark



GHS02
Flame

Signal word: Danger

Hazard components for labelling:
hydroquinone; Chlorosulfinated Polyethylene; methacrylic acid; methyl methacrylate; α,α-Dimethylbenzylhydroperoxid

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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information: none

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P235	Keep cool.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/ / equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ .

Precautionary statements Response	
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P312	Call a POISON CENTER/doctor/ if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary statements Response	
P370 + P378	In case of fire: Use Suitable material: to extinguish.

Precautionary statements Storage	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary statements Disposal	
P501	Dispose of the contents / container in accordance with local / regional / national / international regulations.

* **2.3. Other hazards**

Other adverse effects:

This mixture does not contain substances classified as PBT or vPvB substances. 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**

Additional information:

Other constituents below the reporting thresholds 10-20%

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	50 – < 60 %
CAS No.: 68037-39-8	**Chlorosulfinated Polyethylene** The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	20 – < 30 %
CAS No.: 79-41-4 EC No.: 201-204-4 Index No.: 607-088-00-5 REACH No.: 01-2119463884-26-0000	**methacrylic acid** Acute Tox. 3 (H331), Acute Tox. 4 (H302, H312), Eye Dam. 1 (H318), STOT SE 3 (H335), Skin Corr. 1A (H314) Danger **Specific concentration limit (SCL)** STOT SE 3; H335: C ≥ 1% **Acute Toxicity Estimate** ATE (oral) 1,320 – 2,260 mg/kg ATE (dermal) 500 mg/kg ATE (inhalation, vapour) 7.1 mg/L	5 – < 10 %
CAS No.: 14807-96-6 EC No.: 238-877-9 REACH No.: 01-2120140278-58	**Talc (Mg3H2(SiO3)4)** Carc. 2 (H351) Warning	< 1 %

Power Repair 21 creme 5 min. 400ml (Comp. A)

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 80-15-9 EC No.: 201-254-7 Index No.: 617-002-00-8	**α,α-Dimethylbenzylhydroperoxid** Acute Tox. 3 (H331), Acute Tox. 4 (H302, H312), Aquatic Chronic 2 (H411), Org. Perox. E (H242), STOT RE 2 (H373), STOT SE 3 (H335), Skin Corr. 1B (H314)  Danger **Specific concentration limit (SCL)** Skin Corr. 1B; H314: C ≥ 10% Skin Irrit. 2; H315: 3% ≤ C < 10% Eye Dam. 1; H318: 3% ≤ C < 10% Eye Irrit. 2; H319: 1% ≤ C < 3% STOT SE 3; H335: C < 10% **Acute Toxicity Estimate** ATE (oral) 382 mg/kg ATE (dermal) 1,100 mg/kg ATE (inhalation, vapour) 3 mg/L ATE (inhalation, dust/mist) 0.5 mg/L	< 1 %
CAS No.: 123-31-9 EC No.: 204-617-8 Index No.: 604-005-00-4 REACH No.: 01-2119524016-51	**hydroquinone** Acute Tox. 3 (H311), Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Carc. 2 (H351), Eye Dam. 1 (H318), Muta. 2 (H341), Skin Sens. 1 (H317)  Danger M-factor (acute): 10 M-factor (chronic): 10 **Acute Toxicity Estimate** ATE (oral) 375 mg/kg ATE (dermal) > 2,000 mg/kg	< 0.2 %

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

SECTION 4: First aid measures

* 4.1. Description of first aid measures

General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. Do not leave affected person unattended.

Following inhalation:
Provide fresh air. Get medical advice/attention. In case of irregular breathing or respiratory arrest, initiate artificial respiration.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

After eye contact:
Rinse opened eye immediately with plenty of water for at least 15 minutes. Remove contact lenses. If symptoms persist, consult a doctor.

Following ingestion:
Rinse mouth. Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment.

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

Skin corrosion/irritation. Allergic reactions. Serious eye damage/eye irritation. Irritation to respiratory tract.

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

Treat symptomatically.
Burns: Rinse immediately with water. Whilst rinsing, remove any clothing that is not stuck to the affected areas. Call an ambulance. Continue rinsing on the way to hospital. Keep the victim warm. Keep the victim under observation. Symptoms may appear later.

SECTION 5: Firefighting measures

* 5.1. Extinguishing media

Suitable extinguishing media:
Water mist, Foam, Powder, Carbon dioxide (CO2)

Unsuitable extinguishing media:
Full water jet

* 5.2. Special hazards arising from the substance or mixture

Vapours can form explosive mixtures with air. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

Hazardous combustion products:
In case of fire: Gases or vapours harmful to health.

* 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Do not inhale explosion and combustion gases. If possible, remove containers from the danger zone.

* 5.4. Additional information

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

SECTION 6: Accidental release measures

* 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Remove persons to safety. Avoid inhalation of mist/vapour/aerosol. Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Only touch damaged containers or spilled material if you are wearing suitable protective clothing. Do not touch spilled material and do not walk through it.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:
Personal protection equipment: see section 8. Wear protective equipment. Keep unprotected persons away. Keep away from sources of ignition - No smoking. Ventilate affected area. Avoid inhalation of mist/vapour/aerosol. Absorb spillage to prevent material damage.

* 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Avoid release to the environment.

* 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). Wipe up with absorbent material (eg. cloth, fleece).

For cleaning up:
Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

Other information:
Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use spark-proof tools and explosion-proof equipment. Store in areas where a sprinkler system is installed. For large quantities: Contain. Pump off product.

* 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

* 6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

* **7.1. Precautions for safe handling**

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use spark-proof tools and explosion-proof equipment. Store in areas where a sprinkler system is installed. Ensure good ventilation/extraction at the workplace. Take precautionary measures against static discharge. All tools must be earthed. Only use non-sparking tools. Avoid inhalation of mist/vapour/aerosol. Avoid contact with eyes and skin. Use only outdoors or in a well-ventilated area. Wear suitable protective clothing when working. To follow: Hygiene measures

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

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

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Protect from heat and direct sunlight. Use spark-proof tools and explosion-proof equipment. Store in areas where a sprinkler system is installed.

* **7.3. Specific end use(s)**

No data 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
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) Sh
MAK (AT)	**methyl methacrylate** CAS No.: 80-62-6 EC No.: 201-297-1	① 50 ppm (210 mg/m³) ⑤ Sh
MAK (AT)	**methacrylic acid** CAS No.: 79-41-4 EC No.: 201-204-4	① 20 ppm (70 mg/m³)
MAK (AT)	**Talc (Mg3H2(SiO3)4)** CAS No.: 14807-96-6 EC No.: 238-877-9	① 2 mg/m³ ⑤ (alveolengängige Fraktion)
MAK (AT)	**hydroquinone** CAS No.: 123-31-9 EC No.: 204-617-8	① 2 mg/m³ ⑤ (einatembare Fraktion) Kat 2; E; S
MAK (AT)	**hydroquinone** CAS No.: 123-31-9 EC No.: 204-617-8	② 4 mg/m³ ⑤ (einatembare Fraktion max. 8x5 min./Schicht, Momentanwert) Kat 2; E; 5(Mow); 8x; S

8.1.2. Biological limit values

No data available

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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
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
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	6 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	1.74 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	7 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	0.5 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	1 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	128 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects

Power Repair 21 creme 5 min. 400ml (Comp. A)

Substance name	DNEL value	① DNEL type ② Exposure route
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	64 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, 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
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	0.0031 mg/L	① PNEC aquatic, freshwater
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	0.00031 mg/L	① PNEC aquatic, marine water
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	0.35 mg/L	① PNEC sewage treatment plant
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	0.023 mg/kg	① PNEC sediment, freshwater
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	0.0023 mg/kg	① PNEC sediment, marine water
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	0.0029 mg/kg	① PNEC soil
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7	0.031 mg/L	① PNEC aquatic, intermittent release
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	0.114 mg/L	① PNEC aquatic, freshwater
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	0.0114 mg/L	① PNEC aquatic, marine water
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	0.71 mg/L	① PNEC sewage treatment plant
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	0.00098 mg/kg	① PNEC sediment, freshwater
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	0.000097 mg/kg	① PNEC sediment, marine water

Power Repair 21 creme 5 min. 400ml (Comp. A)

Substance name	PNEC Value	① PNEC type
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8	0.000129 mg/kg	① PNEC soil

*
8.2. Exposure controls

8.2.1. Appropriate engineering controls
Ensure good ventilation/extraction at the workplace. Offer eye showers and emergency showers at the workplace.

8.2.2. Personal protection equipment
Eye/face protection:
Eye glasses with side protection EN 166

Skin protection:
Hand protection:
Tested protective gloves must be worn EN ISO 374 In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration. The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

Body protection:
Wear suitable work clothing. Take off contaminated clothing and wash it before reuse.

Respiratory protection:
Use suitable breathing apparatus.

Other protection measures:
General protective and hygienic measures: Use personal protection equipment. Do not eat, drink or smoke when using this product. Used working clothes should not be worn outside the work area.

8.2.3. Environmental exposure controls
Only touch damaged containers or spilled material if you are wearing suitable protective clothing. Do not touch spilled material and do not walk through it.

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: No data available

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	*No data available*	
Melting point	-48 °C	② (-54,4 °F)
Freezing point	-48 °C	② (-54,4 °F)
Initial boiling point and boiling range	100.5 °C	② (212,9 °F)
Flash point	10 °C	② (50,0 °F)
Evaporation rate	*No data available*	
Auto-ignition temperature	*No data available*	
Upper/lower flammability or explosive limits	2.1 – 8.2 %	
Vapour pressure	44.41 hPa	
Vapour density	*No data available*	
Density	0.96 g/cm³	

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Parameter	Value	① Method ② Remark
Bulk density	*not applicable*	
Water solubility	*No data available*	
Dynamic viscosity	*No data available*	
Kinematic viscosity	*No data available*	
Self ignition temperature	400 °C	② (752 °F)

* **9.2. Other information**
VOC value: 61,29 %

SECTION 10: Stability and reactivity

* **10.1. Reactivity**
Stable under normal conditions of use and storage.

* **10.2. Chemical stability**
Chemically stable under conditions of storage, handling and use.

* **10.3. Possibility of hazardous reactions**
No known hazardous reactions.

* **10.4. Conditions to avoid**
Direct sunlight, heat, open flames, sparks, hot surfaces, sources of ignition

* **10.5. Incompatible materials**
strong oxidants, Nitrate, Peroxides

* **10.6. Hazardous decomposition products**
No known hazardous decomposition products.

SECTION 11: Toxicological information

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

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)
methacrylic acid CAS No.: 79-41-4 EC No.: 201-204-4
LD_{50} oral: 1,320 – 2,260 mg/kg (Rat)
LD_{50} dermal: 500 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): 7.1 mg/L (Rat)
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7
ATE (dermal): 1,100 mg/kg
ATE (inhalation, vapour): 3 mg/L
ATE (inhalation, dust/mist): 0.5 mg/L
LD_{50} oral: 382 mg/kg (Rat)
LD_{50} dermal: 1,200 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (vapour): 220 mg/L 4 h (Rat)
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8
LD_{50} oral: 375 mg/kg (Rat) OECD 401
LD_{50} dermal: >2,000 mg/kg (Rabbit) OECD 402

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.

Acute inhalation toxicity:
Harmful if inhaled.
Skin corrosion/irritation:
Causes skin irritation.
Serious eye damage/irritation:
Causes serious eye irritation.
Respiratory or skin sensitisation:
May cause an allergic skin reaction.
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:
May cause respiratory irritation.
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 data available

*
11.2. Information on other hazards
Endocrine disrupting properties:
The product does not contain any substances with endocrine-disrupting properties in concentrations of ≥ 0.1%.

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
methacrylic acid CAS No.: 79-41-4 EC No.: 201-204-4
LC_{50}: 85 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
LC_{50}: 100 – 180 mg/L 4 d (fish, Brachydanio rerio) OECD 203
NOEC: 10 mg/L (Brachydanio rerio) OECD 210
EC_{50}: >130 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
NOEC: 53 mg/L 21 d (crustaceans) OECD 202
EC_{50}: 45 mg/L 3 d (Algae/water plant, Selenastrum capricornutum)
Talc (Mg3H2(SiO3)4) CAS No.: 14807-96-6 EC No.: 238-877-9
LC_{50}: >100 mg/L 1 d
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7
LC_{50}: 3.9 mg/L 4 d (Oncorhynchus mykiss) OECD 203
EC_{50}: 18 mg/L 2 d (Daphnia magna) OECD 202
ErC_{50}: 3.1 mg/L 3 d (Pseudokirchnerie lla subcapitata) OECD 201

hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8
LC_{50}: 0.638 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
LC_{50}: 0.638 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
EC_{50}: 0.061 mg/L 2 d (crustaceans, Daphnia magna)
EC_{50}: 0.335 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201
EC_{50}: 0.162 – 0.29 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
NOEC: 0.0057 mg/L 21 d (crustaceans, Daphnia magna) OECD 211
NOEC: 0.006 mg/L 21 d (crustaceans, Daphnia magna) OECD 211
NOEC: ≥0.1 mg/L (fish, Pimephales promelas) OECD 210
ErC_{50}: 0.33 mg/L 3 d (Algae/water plant, Raphidocelis subcapitata) OECD 201

Aquatic toxicity:
Harmful to aquatic life with long lasting effects.

* ## 12.2. Persistence and degradability

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
Biodegradation: Yes, rapidly
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8
Biodegradation: Yes, rapidly

Additional information:
This mixture does not contain substances classified as PBT or vPvB substances.

* ## 12.3. Bioaccumulative potential

methyl methacrylate CAS No.: 80-62-6 EC No.: 201-297-1
Log K_{OW}: 1.38
methacrylic acid CAS No.: 79-41-4 EC No.: 201-204-4
Log K_{OW}: 0.93
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8
Log K_{OW}: 0.59
Bioconcentration factor (BCF): 40

* ## 12.4. Mobility in soil
No data 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: —
Chlorosulfinated Polyethylene CAS No.: 68037-39-8
Results of PBT and vPvB assessment: —
methacrylic acid CAS No.: 79-41-4 EC No.: 201-204-4
Results of PBT and vPvB assessment: —
Talc ($Mg3H2(SiO3)4$) CAS No.: 14807-96-6 EC No.: 238-877-9
Results of PBT and vPvB assessment: —
α,α-Dimethylbenzylhydroperoxid CAS No.: 80-15-9 EC No.: 201-254-7
Results of PBT and vPvB assessment: —
hydroquinone CAS No.: 123-31-9 EC No.: 204-617-8
Results of PBT and vPvB assessment: —

* ## 12.6. Endocrine disrupting properties
The product does not contain any substances with endocrine-disrupting properties in concentrations of ≥ 0.1%.

* ## 12.7. Other adverse effects
Based on the available data, the criteria for classification as ‘hazardous to water bodies, acute hazard’ are not met.

Power Repair 21 creme 5 min. 400ml (Comp. A)

The product contains volatile organic compounds which have the potential to contribute to photochemical ozone formation.

SECTION 13: Disposal considerations

* **13.1. Waste treatment methods**

Dispose of waste according to applicable legislation. Hand in empty containers for local recycling, recovery or waste disposal. Contaminated packaging is to be emptied optimally, it can then be reused after appropriate cleaning. Packaging that cannot be cleaned should be disposed of in the same way as the substance.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

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**			
UN 1133	UN 1133	UN 1133	UN 1133
* **14.2. UN proper shipping name**			
ADHESIVES, containing flammable liquid (vapour pressure at 50 °C not exceeding 110 kPa), Limited Quantity	ADHESIVES, containing flammable liquid (vapour pressure at 50 °C not exceeding 110 kPa), Limited Quantity	ADHESIVES, containing flammable liquid, Limited Quantity	ADHESIVES, containing flammable liquid, Limited Quantity
* **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: Before handling the product, read the safety instructions, safety data sheets and information on emergency procedures. **Hazard identification number (Kemler No.):** 33 **Classification code:** - **Tunnel restriction code:** (D/E)	**Special Provisions:** Before handling the product, read the safety instructions, safety data sheets and information on emergency procedures. **Classification code:** -	**Special Provisions:** Before handling the product, read the safety instructions, safety data sheets and information on emergency procedures. **EmS-No.:** F-E, S-D	**Remark:** ERG Code: 3L Passenger and cargo aircraft: Allowed with restrictions. Cargo aircraft only: Allowed with restrictions

* **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

Authorisations:
not applicable

Restrictions on use:
Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable
Regulation (EC) 2019/1021 [POP Regulation] Regulation (EU) No 649/2012 (PIC): not applicable
Regulation (EC) No 166/2006, Annex II: European Pollutant Release and Transfer Register, as amended: Talc (Mg3H2(SiO3)4)
Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878, Annex XVII (restrictions): not applicable
Regulation (EC) No 1907/2006, REACH Annex XVII: Substances subject to authorisation for placing on the market and use – The restriction conditions specified for the relevant entry number should be taken into account: methacrylic acid, α,α-Dimethylbenzylhydroperoxid
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens or mutagens at work, as amended: hydroquinone
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations (EU):
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:
- P5a Flammable Liquids, Category 1 or 2
- P5b Flammable liquids
- 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: 61.29

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**

1.1.	Product identifier
1.2.	Relevant identified uses of the substance or mixture and uses advised against
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
3.1.	Substances
3.2.	Mixtures
4.1.	Description of first aid measures
4.2.	Most important symptoms and effects, both acute and delayed
4.3.	Indication of any immediate medical attention and special treatment needed
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

6.4.	Reference to other sections
6.5.	Additional information
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
10.2.	Chemical stability
10.3.	Possibility of hazardous reactions
10.4.	Conditions to avoid
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
12.7.	Other adverse effects
13.1.	Waste treatment methods
13.2.	Additional information
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
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2.	Chemical Safety Assessment
15.3.	Additional information
16.1.	Indication of changes

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
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
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
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
SCL	Specific concentration limit
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.	On basis of test data.
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	Calculation method.
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.
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.

Hazard statements	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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.