Wi-Reparaturmasse RM-2K (Pulver)

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name	**Wi-Reparaturmasse RM-2K**
Item number	RM 332.2K mini
BAG-Register number (CH)	CPID 159967-56 UFI: FS30-M01Y-A00M-5UMS

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

Relevant identified uses	Repair compound
Uses advised against	All applications that are not explained in this technical data sheet.
Field for application [SU]	SU22 – Commercial use: Public domain (administration, education, entertainment, services, trade)

1.3 Details of the supplier of the safety data sheet

Supplier	**Wisabax AG** Kleb- und Dichtstoffe
Address	Grossmatte 21 / Postfach CH-6014 Luzern-Littau
Phone	+41 (0)41 250 18 18
Fax	+41 (0)41 250 11 40
Email	info@wisabax.ch
URL	www.wisabax.ch
Information contact	Technical Dept. - Mr B. Wicki Environment Dept. - Mrs E. Svets



1.4 Emergency telephone number

24h emergency number (just possible in switzerland)	**Tel. 145**
Tox Info Suisse (ancient swiss toxicological infomations centre) **For emergencies from all the countries** 24h accessible in german, french, italian oder english. For not urgent cases see www.toxinfo.ch.	**Tel. +41 (0)44 251 51 51**



2. Hazards identification

2.1 Classification of the substance or mixture according to (EC) Nr. 1272/2008 (CLP).

Hazard class	Hazard category	Hazard warnings
Skin Sens.	1	H317 May cause an allergic skin reaction.
Aquatic Chronic	2	H411 Toxic to aquatic life with long lasting effects.

2.2 Labelling according to Regulation (EC) Nr. 1272/2008 (CLP)

Pictograms(e)	 
Signal word(s)	Attention
Hazard warning(s) [H-statements]	H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.

Safety instruction(s) [P-statements]	P261 Avoid breathing of dust. P273 Avoid release to the environment. P280a Wear protective gloves. P 302 + P352 IF ON SKIN: Wash with plenty of water/… P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention.
Special marking(s) [EUH-Phrases]	EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
Contains	methyl methacrylate dibenzoyl peroxide

2.3 Other hazards

Persons suffering from allergic reactions to this product should avoid contact with de product.

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.
The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

3. Composition/information on ingredients

3.1 Substances
This product is a mixture, for more see section 3.2.

3.2 Description of the mixture
Mixture of the substances listed below with harmless additions.

Content: 10 % - 20 %

CAS No.: 13463-67-7 EG No.: 236-675-5 Index No.: 022-006-002 Reg. No. (REACH): 01-2119489379-17-XXXX	**titanium dioxide** (in powder form with min. 1% particles with aerodynamic diameter <= 10 µm)	Carc. 2, H351 (inhalative)

Content: 1 % - < 2.5 %

CAS No.: 94-36-0 EG No.: 202-327-6 Index No.: 617-008-00-0 Reg. No. (REACH): 01-2119511472-50-XXXX	**dibenzoyl peroxide** [24/Q2/2]	Org. Perox. Typ B, H241; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Acute 1, H400 (M=10); Aquatic Acute 1, H410 (M=10)

Content: 0.1 % - 2.5 %

CAS No.: 80-62-6 EG No.: 201-297-1 Index No.: 607-035-00-6 Reg. No. (REACH): 01-2119452498-28-XXXX	**methyl methacrylate**	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1B, H317; STOT SE 3, H335

Note: For the wording of the listed risk phrases (H-phrases) and the abbreviations used are specified in section 16.

4. First aid measures

4.1 Description of first aid measures

General information	Observe the general rules of first aid measures. Refresh occasionally your knowledge. If medical advice is required, have this safety data sheet, the packaging or the label ready.

Following inhalation	Remove affected person from the danger area. Supply fresh air. Loosen restrictive clothing. Place in a resting position. Consult a doctor depending on the symptoms. If not breathing provide immediately artificial respiration and obtain medical treatment. In case of unconsciousness bring person in recovery position and take medical advice.
Following skin contact	Remove contaminated clothing immediately. Wash skin with much water and soap. Consult a doctor depending ond the symptoms, if possible, show this container or label.
Following eye contact	Remove contact lenses, if present and easy to do. Rinse thoroughly with water and consult a doctor. Present this safety data sheet or product label.
Following ingestion	Rinse mouth thoroughly with water. Keep airways free. Telephone the emergency number or consult a doctor. If it is possible, present this safety data sheet or product label.

4.2 Most important symptoms and effects, both acute and delayed
See section 11.

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

5. Firefighting measures

5.1 Extinguishing media
Use fire fighting measures that suit the environment and modulate on the size of fire.

Suitable extinguishing media: Water spray jet, Dry powder fire extinguishers, Alcohol-resistant foam, Carbon dioxide
Unsuitable extinguishing media: Water jet

5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire:
Carbon oxide. Toxic gases.

5.3 Advice for fire-fighters
Do not inhale combustion gases. Wear breathing apparatus with own air supply. Wear full protection depending on fire class. Dispose contaminated fire extinguishing water according to official directives.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Keep away from sources of ignition. No smoking. Arrange for sufficient air supply. Avoid eye and skin contact as well as inhalation. Keep away unnecessary people from the scene of an accident; ideally contrary to the wind direction. Danger of slipping.

6.2 Environmental precautions
Do not empty into drains. Eliminating a leak, if this can done safely. Prevent surface and ground-water infiltration, as well as ground penetration. Dam up larger quantities.

6.3 Methods and material for containment and cleaning up
Mechanical remove and correct disposal of waste (cf. paragraph 13).

6.4 Reference to other sections
Personal protective equipment see section 8. Waste disposal see section 13. Safe handling, see section 7.

7. Handling and storage

7.1 Precautions for safe handling
Keep away from sources of ignition – No smoking Avoid inhaling the vapors. Ensure good ventilation. Avoid eye and skin contact. Open and handle receptacle with care. Eating, drinking, smoking, as well as food-storage, is prohibited in workspace. Notes note on the packaging and current technical data sheet. Use working methods according to operating instructions.
Wash contaminated clothing before reuse. General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. Take off contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities
To avoid the unauthorized and children and kept in a safe place. Do not store warnings in corridors and stairwells. Store only in original container and keep locked up. Follow the particular storage conditions.
Protect them from direct sunlight and heat. Do not store together with oxidizing and self-igniting products. Keep cool Protect the product against moisture.

7.3 Specific end uses
See section 1.2. - See technical data sheet and the product imprint.

8. Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

CAS No.: 13463-67-7 EG No.: 236-675-5 Index No.: 022-006-002 Reg. No. (REACH): 01-2119489379-17-XXXX	**titanium dioxide** (in powder form with min. 1% particles with aerodynamic diameter <= 10 µm) CH: MAC: 3 mg/m^3 (a) DE: TRHS / TWA (Time-Weighted Average): 1.25 mg/m^3 Exp. Factor 2, AGW: 10 mg/m^3, Exp. Factor 2 [25/Q5,1,S,1/4,2,5]

CAS No.: 94-36-0 EG No.: 202-327-6 Index No.: 617-008-00-0 Reg. No. (REACH): -	**dibenzoyl peroxide** CH: MAC: 5e mg/m^3

CAS No.: 80-62-6 EG No.: 201-297-1 Index No.: 607-035-00-6 Reg. No. (REACH): 01-2119452498-28-XXXX	**methyl methacrylate** CH: MAC: 50 ppm (210 mg/m3) DE: TRHS 900 short-term: 420 mg/m3 (100 ppm) DE: TRHS 900 long-term: 210 mg/m3 (50 ppm) EU: IOELV: STEL: 100 ppm EU: IOELV: TWA (Time-Weighted Average): 50 ppm [24/Q30/3]

CAS No.: 7631-86-9 EG No.: 231-545-4 Index No.: - Reg. No. (REACH): 01-2119379499-16-XXXX	**silicon dioxide** CH: MAC: 4 mg/m^3 (e) DE: TWA (Time-Weighted Average): 4 mg/m^3 E

MAK = Maximale Arbeitsplatzkonzentration
CH It's a swiss limit, edited by SUVA. If there is no limit from SUVA it's a work place limit (AGW) from Germany or another European state.

CAS No.: 13463-67-7 EG No.: 236-675-5 Index No.: - Reg. No. (REACH): 01-2119489379-17-XXXX	**titanium dioxide** employee: DNEL: 10 mg/m^3 [inhalative, long-term, local effects]; consumer: DNEL: 700 mg/kg [oral, long-term, systemic effects]; environment: PNEC: 0.184 mg/l [fresh water]; environment: PNEC: 0.0184 mg/l [sea water]; environment: PNEC: 0.193 mg/l [fresh water, sporadic release]; environment: PNEC: 100 mg/l [microorganisms in wastewater treatment plants]; environment: PNEC: 1000 mg/kg dw [sediment, fresh water]; environment: PNEC: 100 mg/kg dw [sediment, seawater]; environment: PNEC: 100 mg/kg dw [soil]; environment: PNEC: 1667 mg/kg feed [oral, feed] [24/Q1/4]

CAS No.: 94-36-0	**dibenzoyl peroxide**

EG No.: 202-327-6 Index No.: 617-008-00-0 Reg. No. (REACH): 01-2119511472-50-XXXX	consumer: DNEL: 2 mg/kg bw/d [oral, long-term, systemic effects]; employee: DNEL: 13.3 mg/kg bw/d []; employee: DNEL: 39 mg/m^3 [inhalative, long-term, systemic effects]; employee: DNEL: 0.034 mg/cm^2 []; environment: PNEC: 0.00002 mg/l [fresh water]; environment: PNEC: 0.000002 mg/l [sea water]; environment: PNEC: 0.013 mg/kg dw [sediment, fresh water]; environment: PNEC: 0.001 mg/kg dw [sediment, seawater]; environment: PNEC: 0.35 mg/l [microorganisms in wastewater treatment plants]; environment: PNEC: 0.000602 mg/l [freshwater (intermittent release)]; environment: PNEC: 0.0025 mg/kg dw [soil] [24/Q2/2]

CAS No.: 80-62-6 EG No.: 201-297-1 Index No.: 607-035-00-6 Reg. No. (REACH): 01-2119452498-28-XXXX	**methyl methacrylate** employee: DNEL: 1.5 mg/cm^2 []; employee: DNEL: 416 mg/m^3 [inhalative, short-term, local effects]; employee: DNEL: 348.4 mg/m^3 [inhalative, long-term, systemic effects]; employee: DNEL: 13.67 mg/kg []; employee: DNEL: 1.5 mg/cm^2 [dermal exposure route, long-term, local effects]; employee: DNEL: 208 mg/m^3 [inhalative, long-term, local effects]; consumer: DNEL: 1.5 mg/cm^2 []; consumer: DNEL: 208 mg/m^3 [inhalative, short-term, local effects]; consumer: DNEL: 8.2 mg/kg [oral, long-term, systemic effects]; consumer: DNEL: 74.3 mg/m^3 [inhalative, long-term, systemic effects]; consumer: DNEL: 1.5 mg/cm^2 [dermal exposure route, long-term, local effects]; consumer: DNEL: 104 mg/m^3 [inhalative, long-term, local effects]; consumer: DNEL: 74.3 mg/m^3 [inhalative, long-term, systemic effects]; consumer: DNEL: 8.2 mg/kg bw/d []; consumer: DNEL: 1.5 mg/cm^2 [oral, long-term, local effects]; industrial/commercial: 1.5 mg/cm^2 [dermal exposure route, long-term, local effects]; industrial/commercial: 208 mg/m^3 [inhalative, long-term, local effects]; industrial/commercial: 208 mg/m^3 [inhalative, long-term, systemic effects]; industrial/commercial: 13.67 mg/kg []; environment: PNEC: 0.94 mg/l [fresh water]; environment: PNEC: 0.094 mg/l [sea water]; environment: PNEC: 0.94 mg/l [water, periodic release]; environment: PNEC: 5.74 mg/kg [sediment]; environment: PNEC: 10.2 mg/kg [sediment, fresh water]; environment: PNEC: 0.102 mg/kg dw [sediment, seawater]; environment: PNEC: 1.47 mg/kg dw [soil]; environment: PNEC: 10 mg/l [Mikroorganismen in Kläranlagen (STP)] [24/Q2/2]

CAS No.: 7631-86-9 EG No.: 231-545-4 Index No.: - Reg. No. (REACH): 01-2119379499-16-XXXX	**silicon dioxide** employee: DNEL: 4 mg/m^3 [inhalative, long-term, local effects]

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Ensure good ventilation, e.g. by local suction, general exhaust air.
Comply with the workplace exposure limits.
If limits can't be adhered to, use appropriate respiratory protection.

8.2.2 Personal protective equipment

General data	Select personal protective equipment according to the CEN standards; discuss protective equipment with the supplier.
Eye/face protection	Safety glasses with side protection shield (EN 166).
Hand-/Body protection	Use chemical-resistant protective gloves according to EN 374.
Protective clothing	Wear solvent-resistant protective clothing according to EN ISO 20345.
Respiratory protection	Normally not needed.

	Follow the wear time limits for breathing apparatus.
Hygiene measures	Do not eat, drink or smoke while at work. Wash hands before breaks and after work.
Thermal hazards	Not applicable.



On the basis of the contents and our experience the following non-binding recommendations for the selection of the material of the protective gloves (minimum layer thickness: 0.4 mm):

Recommended glove material:	Butyl rubber (Butyl)
Inappropriate glove material:	Textile Materials

The selection of suitable depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the materials used for gloves cannot be predetermined; it is therefore necessary to check this before using the product.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

8.2.3 Environmental exposure controls
More information that is detailed is not available yet.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	white
Density	~1.3 g/cm^3 (20°C)
Viscosity	Not determined
Odour	Characteristic
Odour threshold	Not determined
pH-level	Not determined
Melting point/freezing point	Not determined
Initial boiling point/boiling range	Not determined
Decomposition temperature	Not determined
Rate of evaporation	Not determined
Flashpoint	Not determined
Auto-ignition temperature	>400 °C
Lower explosive limits	Not determined
Upper exploxive limits	Not determined
Vapour pressure	Not determined
Vapour density (Air = 1)	Not determined
Explosive properties	The product is not explosive.
Oxidising properties	No

9.2 Other information

Solubility in / Miscibility with water.	Not determined
Solubility in / Miscibility in	Not determined
Partition coefficient n-Octanol/Water	Not determined
Conductivity	Not determined
VOC-content (EU)	0%
VOC-content (CH)	0%

10. Stability and reactivity

10.1 Reactivity
The product has not been tested.

10.2 Chemical stability
The product is stable when properly stored and handled.

10.3 Possibility of hazardous reactions
No effects are known if used as intended.

10.4 Conditions to avoid
No effects are known if used as intended.

10.5 Incompatible materials
No effects are known if used as intended.

10.6 Hazardous decomposition products
No decomposition if used according to specifications.
In case of fire or extreme heat, see section 5.2.

11. Toxicological information

11.1 Information on toxicological effects
-

11.2. Toxicological information of hazardous ingredients

CAS No.: 13463-67-7 EG No.: 236-675-5 Index No.: - Reg. No. (REACH): 01-2119489379-17-XXXX	**titanium dioxide** acute toxicity: LD50: >10000 mg/kg [oral, rat, OECD 425]; acute toxicity: LD50: >5000 mg/kg [dermal exposure route, rabbit]; acute toxicity: LC50: >5.09 mg/l/4h [inhalative, rat]; corrosive/irritant effect on the skin: non-irritant [dermal exposure route, rabbit, OECD 404]; serious eye damage/irritation: non-irritant, mechanical irritation possible [rabbit, OECD 405]; respiratory/skin sensitization: not sensitising [Guinea pig, OECD 406]; germ cell mutagenicity: negative [mouse, OECD 474 (Mammalian Erythrocyte Micronucleus Test)]; germ cell mutagenicity: negative [mammals, OECD 473 (In Vitro Mammalian Erythrocyte Chromosome Aberration Test)]; germ cell mutagenicity: negative [salmonella typhimurium, (Ames test)]; germ cell mutagenicity: negative [OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)]; germ cell mutagenicity: negative] [OECD 471 (Bacterial Reverse Mutation Test)]; carcinogenicity: EU: Carc. 2 (inhalation), H351, only applies in powder form with min. 1% particles with aerodynamic diameter <= 10 µm; not valid in case of homogeneously mixed in pasty or liquid, NOT inhalable form); persistence and degradability: poorly biodegradable; specific target organ toxicity - repeated exposure (STOT RE): NOAEL: 3500 mg/kg/90d [rat]; specific target organ toxicity - repeated exposure (STOT RE): NOAEC: 10 mg/m^3/90d [rat]; symptoms: mucous membrane irritation, cough, shortness of breath, drying of the skin [24/Q1,2/4]

CAS No.: 94-36-0 EG No.: 202-327-6 Index No.: 617-008-00-0 Reg. No. (REACH): 01-2119511472-50-XXXX	**dibenzoyl peroxide** acute toxicity: LD50: >5000 mg/kg [oral, rat]; acute toxicity: LC50: >24.3 mg/l/4h [inhalative, rat]; corrosive/irritant effect on the skin: non-irritant [OECD 404, rabbit]; serious eye damage/irritation: Eye Irrit. 2 [OECD 405, rabbit]; respiratory/skin sensitization: Ja (skin contact) [OECD, mouse]; germ cell mutagenicity: negative; carcinogenicity: NOAEL: 1000 mg/kg/29d, negative; symptoms: corneal opacity, mucous membrane irritation [24/Q2/2]

CAS No.: 80-62-6 EG No.: 201-297-1 Index No.: 607-035-00-6 Reg. No. (REACH): 01-2119452498-28-XXXX	**methyl methacrylate** acute toxicity: LD50: 7872 mg/kg [oral, rat, OECD 401]; acute toxicity: NOAEL: 2000 ppm/2y [oral, rat]; acute toxicity: LOAEC: 250 ppm/2y [inhalative, rat, OECD 453]; acute toxicity: NOAEC: 1.64 ppm/6h/2y [inhalative, rat, OECD 453]; acute toxicity: LD50: >5000 mg/kg [dermal exposure route, rabbit, OECD 402]; acute toxicity: LC50: 29.8 mg/l/4h [inhalative, vapours, rat]; corrosive/irritant effect on the skin: [rabbit, Skin Irrit. 2, irritant]; serious eye damage/irritation: slightly irritant [rabbit, OECD 405]; respiratory/skin sensitization: sensitising (skin contact) [Skin Sens. 1, human]; respiratory/skin sensitization: sensitising (skin contact) [mouse, OECD 429]; germ cell mutagenicity: negative [OECD 471]; germ cell mutagenicity: negative [In Vivo]; carcinogenicity: NOAEC: ≥2000 ppm, negative [oral, rat, OECD 451]; reproductive toxicity: NOAEL: 400 mg/kg, negative [rat, OECD 416]; reproductive toxicity (developmental effects): NOAEL: 450 mg/kg/28 d [rabbit, OECD 414]; reproductive toxicity (developmental effects): NOAEC: ≥8.3 mg/l [rabbit, OECD 414]; specific target organ toxicity - single exposure (STOT SE): may irritate the respiratory tract; specific target organ toxicity - repeated exposure (STOT RE): NOAEL: 2000 ppm [rat]; aspiration hazard: keine Hinweise auf eine derartige Wirkung; specific target organ toxicity - repeated exposure (STOT RE): NOAEL: 25 ppm [inhalative, rat, OECD 453] symptoms: breathing difficulties, shortness of breath, drowsiness, drop in blood pressure, cough, headaches, fatigue, mucous membrane irritation, tearing of the eyes, confusion [24/Q2/2]

CAS No.: 7631-86-9 EG No.: 231-545-4 Index No.: - Reg. No. (REACH): 01-2119379499-16-XXXX	**silicon dioxide** acute toxicity: LD50: >5000 mg/kg [oral, rat, OECD 423]; acute toxicity: LD50: >2000 mg/kg [dermal exposure route, rat, OECD 402]; acute toxicity: LC50: >0.139 mg/l/4h [inhalative, rat]; corrosive/irritant effect on the skin: non-irritant [rabbit, OECD 404]; serious eye damage/irritation: non-irritant [rabbit, OECD 405]; respiratory/skin sensitization: not sensitising [Guinea pig]; germ cell mutagenicity: negative [OECD 471]; aspiration hazard: no; symptoms: by eye contact: Irritation and redness may occur. [25/Q2/2,4]

12. Ecological information

12.1 Toxicity
The product/mixture is classified as dangerous for the environment.
Aquatic toxicity Germany (Self-classification): WGK 2 Clearly hazardous to water

12.2 Persistence and degradability
No information is available.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water	

12.4 Mobility in soil
No information is available.

12.5 Results of PBT and vPvB assessment
See section 2.3.

12.6 Other adverse effects
Do not allow product to reach ground water, water course or sewag system.

12.7 Additional ecotoxicological information

CAS No.: 13463-67-7 EG No.: 236-675-5 Index No.: - Reg. No. (REACH): 01-2119489379-17-XXXX	**titanium dioxide** acute toxicity, fish: LC50: >100 mg/l/96h [Oncorhnchus mykiss, OECD 203]; acute toxicity, daphnia: LC50: >100 mg/l/48h [Daphnia magna, OECD 202]; acute toxicity, crustaceans: LC50: 19.3 mg/l/48h [Daphnia magna]; acute toxicity, algae: EC50: 16 mg/l/72h [Pseudokirchneriella subcapitata, U.S. EPA600/9-78-018]; acute toxicity, algae: NOEC: ≥2.92 mg/l/21d [chronic]; acute toxicity, algae: NOEC: 5600 mg/l/72h [chronic]; persistence and degradability: poorly biodegradable; bioaccumulative potential: BCF: 9.6/42d, is not to be expected; bioaccumulative potential: BCF: 19-352/14d [Oncorhynchus mykiss]; mobility in soil: negative; results of PBT and vPvB assessment: no PBT substance, no vPvB substance; acute bacteriotoxicity: >5000 mg/l [Escherichia coli]; acute bacteriotoxicity: LC0: >10000 mg/l/24h [Pseudomonas fluorescens]; acute bacteriotoxicity: >5000 mg/l [Pseudomonas flueroscens] annelid worm toxicity: NOEC/NOEL: >1000 mg/kg [Eisenia foetida]; water solubility: insoluble 20°C [24/Q1,2,106/4,3]

CAS No.: 94-36-0 EG No.: 202-327-6 Index No.: 617-008-00-0 Reg. No. (REACH): 01-2119511472-50-XXXX	**dibenzoyl peroxide** acute toxicity, fish: LC50: 0.0602 mg/l/96h [Oncorhynchus mykiss, OECD 203] acute toxicity, fish: NOEC/NOEL: 0.0316 mg/l/96h [Oncorhynchus mykiss, OECD 203] acute toxicity, daphnia: EC50: 0.11 mg/l/48h [Daphnia magna, OECD 202]; acute toxicity, daphnia: NOEC/NOEL: 0.001 mg/l/21d [Daphnia magna, OECD 211]; acute toxicity, algae: EC50: 0.0711 mg/l/72h [Pseudokirchneriella subcapitata, OECD 201]; acute toxicity, algae: NOEC/NOEL: 0.02 mg/l/72h [Pseudokirchneriella subcapitata, OECD 201]; persistence and degradability: >68%/28d , easily biodegradable [OECD, 301 D]; bioaccumulative potential: BCF: 66.6 [OECD 305]; bioaccumulative potential: Log Pow: 3.2, 22°C [OECD 117], is to be expected; mobility in soil: Log Koc 3.8 [OECD 121]; acute bacteriotoxicity: EC50: 35 mg/l/30min [activated sludge, OECD 209] [24/Q2/2]

CAS No.: 80-62-6 EG No.: 201-297-1 Index No.: 607-035-00-6 Reg. No. (REACH): 01-2119452498-28-XXXX	**methyl methacrylate** acute toxicity, fish: LC50: 130 mg/l/96h[Pimephales promelas, OECD 203]; acute toxicity, daphnia: NOEC/NOEL: 37 mg/l/21d [Daphnia magna, OECD 202]; acute toxicity, daphnia: EC50: 69 mg/l/48h [Daphnia magna, OECD 202]; acute toxicity, algae: EC50: 37 mg/l/96h [Selenastrum capricornutum, OECD 201]; persistence and degradability: >95%/28d, easily biodegradable [OECD 302B]; bioaccumulative potential: Log Pow: 1.38, is not to be expected [OECD 107]; water solubility: 15.9 g/l, 20°C; results of PBT and vPvB assessment: no PBT substance, no vPvB substance [24/Q2/2]

CAS No.: 7631-86-9 EG No.: 231-545-4 Index No.: - Reg. No. (REACH): 01-2119379499-16-XXXX	**silicon dioxide** acute toxicity, fish: LC0: >10000 mg/l/96h [Brachydanio rerio, OECD 203]; acute toxicity, daphnia: EC0: >1000 mg/l/24h [Daphnia magna, OECD 202]; acute toxicity, algae: ErC50: >10000 mg/l/72h [Scenedesmus Subspicatus, OECD 201]; persistence and degradability: does not apply to inorganic substances. results of PBT and vPvB assessment: no PBT substance, no vPvB substance [24/Q2/2]

13. Disposal considerations

13.1 Waste treatment methods
Waste disposal according to official state regulations.

Waste treatment options: 08 04 09 – Waste adhesives and sealants containing organic solvents or other dangerous substances.
Contaminated packages: Disposal must be made according to official regulations. If possible empty packaging completely. Packagings that cannot be cleaned are to be disposed off in the same manner as the product. Uncontaminated and cleaned packaging can be recycled. Uncleaned container do not perforate, cut up or weld. Residues may cause an explosion hazard. 15 01 01 – paper and cardboard packaging.
The waste code numbers mentioned are recommendations based on the probable use of the product. The particular application and local disposal situation obtaining for the user may lead to other waste codes being assigned as well.

14. Transport information

14.1 UN-Number: 3077

14.2 UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)

14.3 Transport hazard class(es):

ADR, RID, ADN, IMDG, IATA: 9	

14.4 Packing group:
ADR, RID, ADN, IMDG, IATA: III
Classification code: M7

Kemmler number:	n.a.
EMS number:	F-A, S-F

14.5 Enviromental hazards:
Dangerous to the environment: Yes
Marine pollutant: Yes

14.6 Special precautions for user:
Persons involved in the transport of dangerous goods must be trained.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Inapplicable

14.8 Additional information:

ADR: LQ – Limited Quantities:	5 kg
ADR: Transport category:	Not applicable
ADR: Tunnel restriction code:	Not applicable
UN „Model Regulation“:	Inapplicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substances or mixture

Classification and labelling see section 2.
The classification is based on the calculation method, unless otherwise stated.

Further national and further regulations, limitations and legal requirements

VOC content according to swiss VOC regulation (VOCV) see section 9.2.
Water hazard class (WGK) see section 12.1.
Observe employment restrictions for young people (CH: SR 822.115).
Chemicals regulation (ChemV), ordinance on chemicals risk reduction (ChemRRV), Luftreinhalte-Verordnung (LRV), Ordinance on protection against major accidents (StFV), professional association principles/industrial medicine regulations

15.2 Chemical Safety Assessment
A chemical safety assessment is not provided for mixtures.

16. Other information

Hazards used in the document (H-phrases):

H225 Highly flammable liquid and vapour
H241 Heating may cause a fire or explosion
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H351 May probably cause cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Other recommended sources for more information:
- Federal Office of Public Health (Switzerland): www.bag.admin.ch (German/French/Italian/English)

List of relevant abbreviations that may be used in the document:

Abbreviation	Full text / Meaning
ADR	Accord européen realtif au transport international des marchandises Dangereuses par Route (= European agreement concerning the international carriage of dangerouse goods by road)
AGW, Spb.-Üf.	AGW = Arbeitsplatzgrenzwert (occupational limit value), Spb.-Üf. = Spitzenbegrenzung (peak limit) – Überschreitungsfaktor (exceedance factor) (1 bis 8) and category (I, II) for short-term values (TRGS 900, germany)
AOEL	Acceptable Operator Exposure Level
Aquatic Acute	Hazardous to the aquatic environment - Acute
Aquatic Chronic	Hazardous to the aquatic environment – Chronic
Asp. Tox.	Aspiration hazard (Danger when inhaling)
ATE	Acute Toxicity Estimates
BAG	Office for health (Bundesamt für Gesundheit, Schweiz)
BAT	Biological tolerance values at the workplace (Biologische Arbeitsstofftoleranzwerte, Schweiz)
BG	Trade association (Berufsgenossenschaft)
BGR	Trade association regulations (Berufsgenossenschaftliche Regeln)
BGV	Trade association regulations (Berufsgenossenschaftliche Vorschrift)
Carz.	Carcinogenic substance
CAS-Nr.	Chemical Abstracts Service
CH	Swiss confederation (from the latin Confoederatio Helvetica)
CH: MAK:	Swiss limit of maximum allowable concentration, issued by the swiss accident insurance fund. (Schweizerischen Unfallversicherungsanstalt (SUVA)
CLP	Classification, Labelling and Packaing (REGULATION (EG) Nr. 1272/2008)
CPID	Chemical Product IDentification.
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
EG-Nr.	Substances of the EC material inventory, consisting of 7 digits (Syntax: XXX-XXX-X). Comprises waste materials (EINECS), new substances (ELINCS) as well as the No-Longer-Polymers-Liste (NLP-Liste).
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Irrit.	Eye irritant, depending on the category Eye irritation possible to serious eye damage.
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Flam. Sol.	Flammable solid
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG-Code	International Maritime Code for Dangerous Goods
Index-Nr.	Indexation of dangerous substances of appendix 5 in the VO(EG)1272/2008 (or annex I of directive 67/548/EWG) with the following syntax: XXX-XXX-XX-X
LC	Lethal concentration
LD	Lethal (fatal) dose
LD50	Lethal dose, 50%
Met. Corr.	On metal corrosive acting substance or mixture
Muta.	Substance with germ cell mutagenicity
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
Ozone	Hazardous for the ozone layer
PBT	Persistent, bioaccumulative, and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (Verordnung (EG) Nr. 1907/2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe)
Repr.	Reproductive toxicity
Resp. Sens.	Sensitising for respiratory tract

SCL	Specific concentration limits
Skin Irrit.	Skin irritant – corrosive/irritant to skin
Skin Sens.	Sensitising for the skin
STOT RE	Specific target organ toxicity – repeated exposure
STOT SE	Specific target organ toxicity – single exposure
TRGS	Technical rules on hazardous substances
VOC	Volatile organic compounds
VOCV	VOC-regulation (Swiss)
vPvB	Very persistent and very bioaccumulative

Department issuing data specification sheet: See section 1.3.
This safety data sheet replaces all previous versions.

Disclaimer: The specifications rest on the today's stand of our knowledge. It does not constitute a legally binding assurance of specific product properties.

© **Wisabax AG** - Any publication/modification requires written approval from Wisabax AG. Created with the help of SDS(Safety Data Sheets), an in-house software solution designed to simplify the creation of multilingual SDS.