



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.02.2021

Version-No. 6

Revision: 26.02.2021

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

1.1. Product identifier

Trade name / Article-No: **KLEIBERIT 801.0**

UFI: 6W70-R08M-600H-PG92

1.2. Relevant identified uses of the substance / mixture or uses advised against
Restricted to professional users.

Application of the substance / the mixture Adhesives

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KLEIBERIT SE & Co. KG

Max-Becker-Str. 4

76356 Weingarten / Baden

Germany

Further information obtainable from:

phone: +49 (0) 7244 62-0

FAX: +49 (0) 7244 700-0

E-Mail: hse@kleiberit.com

1.4. Emergency telephone number:

+44 1235 239670

European regional number (European languages)

+44 1235 239671

Middle Eastern/African regional number (Middle Eastern/African languages)

+1 215 207 0061

Americas regional number (English, Spanish, Portuguese)

+65 3158 1412

Asia Pacific regional number (English, Bahasa, Malaysia, Hindi, Japanese, Korean, Mandarin, Tagalog)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 - GHS/CLP

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Acute Tox. 4 H332 Harmful if inhaled.

Eye Irrit. 2 H319 Causes serious eye irritation.

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 2 H351 Suspected of causing cancer.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2. Label elements

Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

Acetic ether

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diphenylmethane-4,4'-diisocyanate

diphenylmethane-diisocyanate, isomers and homologous

- **Hazard statements**

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

- **Additional information:**

EUH029 Contact with water liberates toxic gas.

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains isocyanates. May produce an allergic reaction.

- **Information concerning particular hazards for human and environment:**

- Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

- Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

- This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

- **2.3. Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

Registry-No's	Identification / Classification GHS-CLP	%
CAS: 141-78-6	Acetic ether	50-80%
Reg.nr.: 01-2119475103-46-XXXX	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	

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CAS: 101-68-8 Reg.nr.: 01-2119457014-47-XXXX	diphenylmethane-4,4'-diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; C ≥ 5 %	1-5%
CAS: 9016-87-9	diphenylmethane-diisocyanate, isomers and homologous Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; C ≥ 5 %	1-5%
CAS: 26006-20-2	benzene, 2,4-diisocyanato-1-methyl-,homopolymer Eye Irrit. 2, H319; Skin Sens. 1, H317	1-5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1. Description of first aid measures

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Take affected persons into fresh air and keep quiet.

· **After skin contact:**

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Call for a doctor immediately.

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

Headache

Drowsiness

Dizziness

Asthma attacks

Allergic reactions

Nausea

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1. Extinguishing media

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

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5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Isocyanates

Nitrogen oxides (NO_x)

Traces: Hydrogen cyanide (HCN)

5.3. Advice for firefighters

· **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

Keep away from ignition sources.

Use respiratory protective device against the effects of fumes/dust/aerosol.

· **6.2. Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.

6.3. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Take up mechanically; cover residues with wet, liquidbinding material (saw dust, universal binder - diatomite, sand). Take up after 1 hour in receptacles, don't close tight (development of CO₂ !). Be aware that sufficient moisture is present and keep outdoors for several days.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Not less than 5 -15 air exchanges per hour

Store in cool, dry place in tightly closed receptacles.

Enclosure or extractor facilities are required.

Use only in well ventilated areas.

Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.

Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

Spraying: in vented cabin with laminar air flow

Wear protective gloves/protective clothing/eye protection/face protection.

Handle the substance preferably in closed system

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the vapour concentration below the workplace limit, wear an adequate respiratory protective device.

Appropriate regular employee training.

Application temperature is not higher than 20°C above the surrounding temperature

Avoid contact with skin and eyes.

Use drum pumps or pour from the container carefully

Avoid taking samples by immersion

It is advised against using the product if there is a sensitivity of the airways or skin (asthma, chronic bronchitis, chronic skin disease)

additional to professional application with multiple and/or significant contact

limit the exposure to 4 hours

Do not allow to reach ground water, water bodies or sewage system.

Clean the pipe before decoupling

Close the container immediately after usage.

· **General protective and hygienic measures:** Immediately remove all soiled and contaminated clothing

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- **7.2. Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Store outdoors.
 - Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Observe the national regulations.
- **Further information about storage conditions:** Protect from humidity and water.
- **7.3. Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1. Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **DNELs**

141-78-6 Acetic ether

Dermal DNEL long term 63 mg/kg (human being)
 Inhalative DNEL short term 1,468 mg/m³ (human being)
 DNEL long term 734 mg/m³ (human being)

101-68-8 diphenylmethane-4,4'-diisocyanate

Dermal DNEL short term 50 mg/kg (human being)
 Inhalative DNEL short term 0.1 mg/m³ (human being)
 DNEL long term 0.05 mg/m³ (human being)

9016-87-9 diphenylmethane-diisocyanate, isomers and homologous

Dermal DNEL short term 50 mg/kg (human being)
 DNEL long term 0.05 mg/kg (human being)
 Inhalative DNEL short term 0.1 mg/m³ (human being)

- **PNECs**

141-78-6 Acetic ether

PNEC- Freshwater	0.26 mg/l (not specified)
PNEC-seawater	0.026 mg/l (not specified)
PNEC-periodic release	1.65 mg/l (not specified)
PNEC-Freshwater sediment	1.25 mg/kg (not specified)
PNEC-Seawater sediment	0.125 mg/kg (not specified)
PNEC-soil	0.148 mg/kg (not specified)
PNEC-wastewater treatment plant	650 mg/l (not specified)

101-68-8 diphenylmethane-4,4'-diisocyanate

PNEC- Freshwater	1 mg/l (not specified)
PNEC-seawater	0.1 mg/l (not specified)
PNEC-periodic release	10 mg/l (not specified)
PNEC-Freshwater sediment	1 mg/kg (not specified)
PNEC-soil	1 mg/kg (not specified)
PNEC-wastewater treatment plant	1 mg/l (not specified)

9016-87-9 diphenylmethane-diisocyanate, isomers and homologous

PNEC- Freshwater	>1 mg/l (not specified)
PNEC-seawater	>0.1 mg/l (not specified)
PNEC-soil	>1 mg/kg (not specified)

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PNEC-wastewater treatment plant >1 mg/l (not specified)

Ingredients with biological limit values:**101-68-8 diphenylmethane-4,4'-diisocyanate**

BGW (Germany) 10 µg/g Kreatinin
 Untersuchungsmaterial: Urin
 Probennahmezeitpunkt: Expositionsende bzw. Schichtende
 Parameter: 4,4'-Diaminodiphenylmethan

BMGV (Great Britain) 1 µmol creatinine/mol
 Medium: urine
 Sampling time: At the end of the period of exposure
 Parameter: isocyanate-derived diamine

CAS No.	Designation of material	%	Type	Value	Unit
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141-78-6 Acetic ether

IOELV (European Union) Short-term value: 1468 mg/m³, 400 ppm
 Long-term value: 734 mg/m³, 200 ppm

AGW (Germany) Long-term value: 730 mg/m³, 200 ppm
 2(l);DFG, EU, Y

WEL (Great Britain) Short-term value: 1468 mg/m³, 400 ppm
 Long-term value: 734 mg/m³, 200 ppm

PEL (USA) Long-term value: 1400 mg/m³, 400 ppm

REL (USA) Long-term value: 1400 mg/m³, 400 ppm

TLV (USA) Long-term value: 1440 mg/m³, 400 ppm

101-68-8 diphenylmethane-4,4'-diisocyanate

AGW (Germany) Long-term value: 0.05 E mg/m³
 1;=2=(l);DFG, 11, 12, H, Sah, Y

WEL (Great Britain) Short-term value: 0.07 mg/m³
 Long-term value: 0.02 mg/m³
 Sen; as -NCO

PEL (USA) Ceiling limit: 0.2 mg/m³, 0.02 ppm

REL (USA) Long-term value: 0.05 mg/m³, 0.005 ppm
 Ceiling limit: 0.2* mg/m³, 0.02* ppm
 *10-min

TLV (USA) Long-term value: 0.051 mg/m³, 0.005 ppm

9016-87-9 diphenylmethane-diisocyanate, isomers and homologous

AGW (Germany) Long-term value: 0.05 E mg/m³
 1;=2=(l);DFG, H, Sah, Y, 12

WEL (Great Britain) Short-term value: 0.07 mg/m³
 Long-term value: 0.02 mg/m³
 Sen; as -NCO

8.2. Exposure controls

limit the exposure to:

8 hours

additional to professional application with multiple and/or significant contact

limit the exposure to 4 hours

- **Appropriate engineering controls** No further data; see item 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:** Do not inhale gases / fumes / aerosols.

- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation:

Filter A (DIN EN 14 387)

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- At spray application respiratory protection must be worn.
- **Hand protection** Protective gloves
- **Material of gloves** B Polyethylenylon: Barrier™ (0,062 mm)
- **Eye/face protection** Safety glasses
- **Body protection:** Protective work clothing
- **Environmental exposure controls**
The floor surface in the facility has to be sealed.
Waste air is to be released into the atmosphere only via suitable separators.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

- | | |
|---|-----------------------------------|
| · Physical state | Fluid |
| · Colour: | Yellowish |
| · Odour: | Fruit-like |
| · Odour threshold: | Not determined. |
| · Melting point/freezing point: | Undetermined. |
| · Boiling point or initial boiling point and boiling range | 78 °C |
| · Flammability | Not applicable. |
| · Lower and upper explosion limit | |
| · Lower: | 2.1 Vol % |
| · Upper: | 11.5 Vol % |
| · Flash point: | ca. 1 °C |
| · Auto-ignition temperature: | Product is not selfigniting. |
| · Decomposition temperature: | Not determined. |
| · pH | Not determined. |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| · Dynamic at 20 °C: | ca. 5-10 mPas |
| · Solubility | |
| · water: | Not miscible or difficult to mix. |
| · Partition coefficient n-octanol/water (log value) | Not determined. |
| · Vapour pressure at 20 °C: | 97 hPa |
| · Density and/or relative density | |
| · Density at 20 °C: | ca. 1.17 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |

9.2. Other information

- **Appearance:**
- **Form:** Fluid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** 460 °C
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Change in condition**
- **Evaporation rate** Not determined.
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Highly flammable liquid and vapour.

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· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1. Reactivity**
see item 10.3
No further relevant information available.
- **10.2. Chemical stability** Stable when stored and used properly.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3. Possibility of hazardous reactions** No dangerous reactions known.
- **10.4. Conditions to avoid** No further relevant information available.
- **10.5. Incompatible materials:** No further relevant information available.
- **10.6. Hazardous decomposition products:** Isocyanates

SECTION 11: Toxicological information

- **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if inhaled.
- **LD/LC₅₀ values relevant for classification:**

141-78-6 Acetic ether

Oral	LD ₅₀	4,934 mg/kg (rabbit)
		Methode: OECD 401
Dermal	LD ₅₀	>20,000 mg/kg (rabbit)
Inhalative	LC ₅₀ /4 h	29.3 mg/l (rat)

101-68-8 diphenylmethane-4,4'-diisocyanate

Oral	LD ₅₀	>2,000 mg/kg (rat) (84/449/EWG, B.1)
Dermal	LD ₅₀	>9,400 mg/kg (rabbit) (OECD 402)
Inhalative	LC ₅₀ /4 h	11 mg/l (Ratte) (Calculation (ATE))

9016-87-9 diphenylmethane-diisocyanate, isomers and homologous

Oral	LD ₅₀	>10,000 mg/kg (rat)
Dermal	LD ₅₀	>9,400 mg/kg (rabbit)
Inhalative	LC ₅₀ /4 h	11 mg/l (Ratte) (Calculation (ATE))

- **Note:**

diphenylmethane-diisocyanate:

The test atmosphere generated in the animal study is not representative of workplace environments, how the substance is placed on the market, and how it can reasonably be expected to be used. Therefore the test result cannot be directly applied for the purpose of assessing hazard. Based on expert judgment and the weight of the evidence, a modified classification for acute inhalation toxicity is justified.

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

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- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **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.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:**

141-78-6 Acetic ether

LC₅₀ 230 mg / l / 96h (fish)EC₅₀ 5,600 mg / l / 48h (algae)

610 mg / l / 48h (water flea - daphnia) (DIN 38412)

101-68-8 diphenylmethane-4,4'-diisocyanate

LC₅₀ >1,000 mg / l / 96h (fish)EC₅₀ >1,000 mg / l / 24h (water flea - daphnia)IC₅₀ >1,640 mg / l / 72h (algae)

9016-87-9 diphenylmethane-diisocyanate, isomers and homologous

LC₅₀ >1,000 mg / l / 96h (fish)EC₅₀ >1,000 mg / l / 24h (water flea - daphnia)EC₅₀ >1,640 mg / l / 72h (algae)

- **12.2. Persistence and degradability** No further relevant information available.
- **12.3. Bioaccumulative potential** No further relevant information available.
- **12.4. Mobility in soil** No further relevant information available.
- **12.5. Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.6. Other adverse effects**
- **Behaviour in sewage processing plants:**
- **Remark:**
At correct sewage disposal in small quantities to biological sewage plants failures of the activated sludge are not expected.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

- **13.1. Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
- **European waste catalogue**
08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances

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- **Uncleaned packaging:**
- **Recommendation:**
Non contaminated packagings may be recycled.
Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1. UN number or ID number** UN1866
 - **ADR, IMDG, IATA**
 - **14.2. UN proper shipping name** Resin solution
 - **DOT** 1866 RESIN SOLUTION
 - **ADR** RESIN SOLUTION
 - **IMDG, IATA**
 - **14.3. Transport hazard class(es)**
 - **Class** 3 Flammable liquids.
 - **Label** 3
 - **14.4. Packing group**
 - **ADR, IMDG, IATA** II
 - **14.5. Environmental hazards:** Not applicable.
 - **14.6. Special precautions for user** Warning: Flammable liquids.
 - **Hazard identification number (Kemler code):** 33
 - **EMS Number:** F-E, S-E
 - **Stowage Category** B
 - **14.7. Maritime transport in bulk according to IMO instruments** Not applicable.
-
- **ADR**
 - **Limited quantities (LQ)** 5L
 - **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
 - **Transport category** 2
 - **Tunnel restriction code** D/E
-
- **IMDG**
 - **Limited quantities (LQ)** 5L
 - **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

SECTION 15: Regulatory information

- **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
See position no 2 - Hazards Identification
- **EU-Regulations**
101-68-8 diphenylmethane-4,4'-diisocyanate: REACH, Annex XVII, No. 56, 74
9016-87-9 diphenylmethane-diisocyanate, isomers and homologous: REACH, Annex XVII, No. 56
- **Directive 2012/18/EU - Seveso-III:**
- **Named dangerous substances - ANNEX I** None of the ingredients is included.
- **Seveso category**
O3 Substances or mixtures with hazard statement EUH029
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **Regulation (EC) No 1907/2006 - REACH, ANNEX XVII** Conditions of restriction: 3

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- **Regulation (EU) No 649/2012**

None of the ingredients is listed.

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **National regulations:**

- **D: Waterhazard class** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **Other regulations, limitations and prohibitive regulations:** Restricted to professional users.

- **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH204 Contains isocyanates. May produce an allergic reaction.

- **Department issuing SDS:** Safety & Environment

- **Version number of previous version:** 5

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

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Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.02.2021

Version-No. 6

Revision: 26.02.2021

Trade name / Article-No: KLEIBERIT 801.0

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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