

**Safety data sheet**  
according to WHS Regulations

Printing date 13.02.2019



Version-No. 11

Revision: 12.02.2019

**SECTION 1: Identification**

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 501.0**
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**  
**For professional use only**
- Application of the substance / the mixture Adhesives
- **1.3. Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KLEBCHEMIE KLEIBERIT Australia Pty Limited  
M.G.Becker GmbH & Co. KG Unit 36, 42-46 Wattle Road  
Max Becker Str. 4 BROOKVALE NSW 2100  
D - 76356 Weingarten / Baden Australia  
Germany
- **Further information obtainable from:**  
phone: +49-7244-62-0 (Germany) phone: +61-2-9907 1411  
FAX: +49-7244-700-0 FAX: +61-2-9938 4091  
email: hse@kleiberit.com
- **1.4. Emergency telephone number:**  
**+61 2 8014 4558** Australia (English)  
**+65 3158 1412**  
Asia Pacific regional number (English, Bahasa Malaysia, Hindi, Japanese, Korean, Mandarin, Tagalog)

**SECTION 2: Hazard Identification**

- **2.1. Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**  
Acute Tox. 4 H332 Harmful if inhaled.  
Skin Irrit. 2 H315 Causes skin 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 H335 May cause respiratory irritation.  
STOT RE 2 H373 May cause damage to the respiratory system through prolonged or repeated exposure.  
Route of exposure: Inhalation.
- **2.2. Label elements**
- **Hazard pictograms**  
  
  
GHS07 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
diphenylmethane-diisocyanate, isomers and homologous
- **Hazard statements**  
H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.

(Contd. on page 2)

AUS

## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

**Trade name / Article-No: KLEIBERIT 501.0**

(Contd. of page 1)

H351 Suspected of causing cancer.

H335 May cause respiratory irritation.

H373 May cause damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Precautionary statements**

P260 Do not breathe vapours.

P280 Wear protective gloves / eye protection.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

- **2.3. Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT**: Not applicable.

- **vPvB**: Not applicable.

### SECTION 3: Composition and information on ingredients

- **3.2 Mixtures**

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

- **Dangerous components:**

Registry-No's	Identification / Classification GHS-CLP	%
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; Skin Sens. 1, H317; STOT SE 3, H335	40-50%
101-68-8	diphenylmethane-4,4'-diisocyanate Acute Tox. 2, H330; Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	5-10%
26447-40-5	Diphenylmethane diisocyanate (isomer mixture) Acute Tox. 2, H330; Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	3-5%
5873-54-1	diphenylmethane-2,4'-diisocyanate Acute Tox. 2, H330; Resp. Sens. 1, H334; STOT RE 2, H373; Skin Sens. 1, H317; STOT SE 3, H335	≤3%
2536-05-2	2,2'-methylenediphenyl diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	<0.5%

- **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.

- **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.

(Contd. on page 3)

## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

Trade name / Article-No: **KLEIBERIT 501.0**

(Contd. of page 2)

- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **Information for doctor:**
- **4.2. Most important symptoms and effects, both acute and delayed**  
Asthma attacks  
Allergic reactions
- **4.3. Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Fire Fighting Measures

- **5.1. Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2. Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Nitrogen oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (HCN)  
Traces:  
Isocyanates
- **5.3. Advice for firefighters**
- **Protective equipment:**  
Mount respiratory protective device.  
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.  
Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.  
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2. Environmental precautions:** No special measures required.
- **6.3. Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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

- **Handling:**
- **7.1. Precautions for safe handling**  
Appropriate regular employee training.  
Handle the substance preferably in closed system  
Enclosure or extractor facilities are required.  
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.  
Not less than 3-5 air exchanges per hour  
Prevent formation of aerosols.  
Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.  
Spraying: in vented cabin with laminar air flow

(Contd. on page 4)

## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

**Trade name / Article-No: KLEIBERIT 501.0**

(Contd. of page 3)

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

Caution: Do not refill residue into storage receptacles.

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

Avoid contact with skin and eyes.

Absorb spilled amount immediately.

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

· **Information about fire - and explosion protection:** No special measures required.

· **General protective and hygienic measures:**

Do not inhale gases / fumes / aerosols.

Immediately remove all soiled and contaminated clothing

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

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.

· **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 and personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1. Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

· **PNECs**

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

PNEC- Freshwater >1 mg/l (x00)

PNEC-seawater >0.1 mg/l (x00)

PNEC-soil >1 mg/kg (x00)

PNEC-wastewater treatment plant >1 mg/l (x00)

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

PNEC- Freshwater 1 mg/l (x00)

PNEC-seawater 0.1 mg/l (x00)

PNEC-periodic release 10 mg/l (x00)

PNEC-soil 1 mg/kg (x00)

PNEC-wastewater treatment plant 1 mg/l (x00)

#### **26447-40-5 Diphenylmethane diisocyanate (isomer mixture)**

PNEC- Freshwater 1 mg/l (x00)

PNEC-seawater 0.1 mg/l (x00)

PNEC-soil 1 mg/kg (x00)

PNEC-wastewater treatment plant 1 mg/l (x00)

#### **5873-54-1 diphenylmethane-2,4'-diisocyanate**

PNEC- Freshwater >1 mg/l (x00)

PNEC-seawater >0.1 mg/l (x00)

PNEC-soil >1 mg/kg (x00)

PNEC-wastewater treatment plant >1 mg/l (x00)

#### **2536-05-2 2,2'-methylenediphenyl diisocyanate**

PNEC- Freshwater >1 mg/l (x00)

(Contd. on page 5)

## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

**Trade name / Article-No: KLEIBERIT 501.0***(Contd. of page 4)*

PNEC-seawater &gt;0.1 mg/l (x00)

PNEC-soil &gt;1 mg/kg (x00)

PNEC-wastewater treatment plant &gt;1 mg/l (x00)

CAS No.	Designation of material	%	Type	Value	Unit
<b>9016-87-9 diphenylmethane-diisocyanate, isomers and homologous</b>					
NES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen, as -NCO				
WES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen, as -NCO				
WES (New Zealand)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> sen, vapours, mist, dust; as -NCO				
<b>101-68-8 diphenylmethane-4,4'-diisocyanate</b>					
NES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO				
WES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO				
WES (New Zealand)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> sen, vapours, mist, dust; as -NCO				
PEL (USA)	Peak limitation: 0.2 mg/m <sup>3</sup> , 0.02 ppm				
REL (USA)	Long-term value: 0.05 mg/m <sup>3</sup> , 0.005 ppm Peak limitation: 0.2* mg/m <sup>3</sup> , 0.02* ppm *10-min				
TLV (USA)	Long-term value: 0.051 mg/m <sup>3</sup> , 0.005 ppm				
<b>26447-40-5 Diphenylmethane diisocyanate (isomer mixture)</b>					
NES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen, as -NCO				
WES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen, as -NCO				
WES (New Zealand)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> sen, vapours, mist, dust; as -NCO				
<b>5873-54-1 diphenylmethane-2,4'-diisocyanate</b>					
NES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen, as -NCO				
WES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen, as -NCO				
WES (New Zealand)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> sen, vapours, mist, dust; as -NCO				

*(Contd. on page 6)*

## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

**Trade name / Article-No: KLEIBERIT 501.0**

(Contd. of page 5)

**2536-05-2 2,2'-methylenediphenyl diisocyanate**

NES (Australia) Short-term value: 0.07 mg/m<sup>3</sup>  
Long-term value: 0.02 mg/m<sup>3</sup>  
Sen, as -NCO

WES (Australia) Short-term value: 0.07 mg/m<sup>3</sup>  
Long-term value: 0.02 mg/m<sup>3</sup>  
Sen, as -NCO

WES (New Zealand) Short-term value: 0.07 mg/m<sup>3</sup>  
Long-term value: 0.02 mg/m<sup>3</sup>  
sen, vapours, mist, dust; 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

**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/P2 (EN 14387)

Use suitable respiratory protective device only when aerosol or mist is formed.

At spray application respiratory protection must be worn.

• **Protection of hands:** Protective gloves

**Material of gloves**

A Nitrile rubber - NBR: AlphaTec® (coating thickness not applicable)

D butyl rubber - BR: ChemTek™ (0,7 mm)

E Fluorocarbon rubber (Viton) - FKM (0,7 mm) ! General information without declaration of a manufacturer !

F Natural rubber - NR: Extra™ (0.5 mm)

G Chloroprene rubber - CR: Neotop® (0.75 mm)

H Polyvinyl chloride - PVC: Snorkel® (0.5 mm)

• **Penetration time of glove material** Permeation: ≥ 480 min

• **Eye protection:** Tightly sealed goggles

• **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**
**General Information**
**Appearance:**

**Form:** Fluid

**Colour:** Brown

• **Odour:** Weak, characteristic

• **Odour threshold:** Not determined

• **pH-value:** Not applicable

**Change in condition**

**Melting point/freezing point:** Not determined

**Initial boiling point and boiling range:** 208 °C

**Softening temperature / range:** Not determined

• **Flash point:** 212 °C

• **Flammability (solid, gas):** Not applicable.

• **Ignition temperature:** >400 °C

• **Decomposition temperature:** ~260 °C (CAS 101-68-8)

(Contd. on page 7)

## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

Trade name / Article-No: **KLEIBERIT 501.0**

(Contd. of page 6)

- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower:** Not determined
  - Upper:** Not determined
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** ca. 1.13 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined
- **Evaporation rate** Not applicable
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined
- **Viscosity:**
  - Dynamic at 20 °C:** ca. 7500 mPas  
Brookfield RVT
  - Kinematic:** Not determined.
- **9.2. Other information** No further relevant information available.

### 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**  
Exothermic reactions with amines, alcohols, acids and bases. Reacts with water forming CO<sub>2</sub>-gas. In closed containers risk of bursting owing to increase of pressure.
- **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 toxicological effects**
- **Acute toxicity**  
Harmful if inhaled.
- **LD/LC<sub>50</sub> values relevant for classification:**

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

Oral	LD <sub>50</sub>	>10,000 mg/kg (rat)
Dermal	LD <sub>50</sub>	>9,400 mg/kg (rabbit)
Inhalative	LC <sub>50</sub> /4h <sub>(dust,mist)</sub>	0.31 mg/l (rat) (OECD 403)

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

Oral	LD <sub>50</sub>	>10,000 mg/kg (rat) (84/449/EWG, B.1)
Dermal	LD <sub>50</sub>	>9,400 mg/kg (rabbit) (OECD 402)
Inhalative	LC <sub>50</sub> /4h <sub>(dust,mist)</sub>	0.49 mg/l (rat) (OECD 403)

**26447-40-5 Diphenylmethane diisocyanate (isomer mixture)**

Oral	LD <sub>50</sub>	>10,000 mg/kg (rat)
Dermal	LD <sub>50</sub>	>9,400 mg/kg (rabbit)

(Contd. on page 8)

## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

Trade name / Article-No: **KLEIBERIT 501.0**

(Contd. of page 7)

Inhalative LC<sub>50</sub>/4h<sub>(dust,mist)</sub> 0.49 mg/l (rat)**5873-54-1 diphenylmethane-2,4'-diisocyanate**Oral LD<sub>50</sub> >2,000 mg/kg (rat) (84/449/EWG, B.1)Dermal LD<sub>50</sub> >9,400 mg/kg (rabbit) (OECD 402)Inhalative LC<sub>50</sub>/4h<sub>(dust,mist)</sub> 0.387 mg/l (rat) (OECD 403)**2536-05-2 2,2'-methylenediphenyl diisocyanate**Oral LD<sub>50</sub> >2,000 mg/kg (rat)Dermal LD<sub>50</sub> >9,400 mg/kg (rabbit)Inhalative LC<sub>50</sub>/4h<sub>(dust,mist)</sub> 0.527 mg/l (rat)• **Primary irritant effect:**• **Skin corrosion/irritation**

Causes skin irritation.

• **Serious eye damage/irritation** Based on available data, the classification criteria are not met.• **Respiratory or skin sensitisation**

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

May cause an allergic skin reaction.

• **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**• **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 respiratory irritation.

• **STOT-repeated exposure**May cause damage to the respiratory system through prolonged or repeated exposure. Route of exposure:  
Inhalation.• **Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information**• **12.1. Toxicity**• **Aquatic toxicity:****9016-87-9 diphenylmethane-diisocyanate, isomers and homologous**LC<sub>50</sub> >1,000 mg / l / 96h (fish)EC<sub>50</sub> >1,000 mg / l / 24h (water flea - Daphnia)EC<sub>50</sub> >1,640 mg / l / 72h (algae)**101-68-8 diphenylmethane-4,4'-diisocyanate**LC<sub>50</sub> >1,000 mg / l / 96h (fish)EC<sub>50</sub> >1,000 mg / l / 24h (water flea - Daphnia)IC<sub>50</sub> >1,640 mg / l / 72h (algae)**26447-40-5 Diphenylmethane diisocyanate (isomer mixture)**LC<sub>50</sub> >1,000 mg / l / 96h (fish)EC<sub>50</sub> >1,000 mg / l / 24h (water flea - Daphnia)**5873-54-1 diphenylmethane-2,4'-diisocyanate**LC<sub>50</sub> >1,000 mg / l / 96h (Zebrafish - Danio rerio)EC<sub>50</sub> >1,000 mg / l / 24h (water flea - Daphnia)IC<sub>50</sub> >1,640 mg / l / 72h (Chlorophyceae - Scenedesmus subspicatus)**2536-05-2 2,2'-methylenediphenyl diisocyanate**LC<sub>50</sub> >1,000 mg / l / 96h (fish)

(Contd. on page 9)



## Safety data sheet according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

**Trade name / Article-No: KLEIBERIT 501.0**

(Contd. of page 8)

- EC<sub>50</sub> >1,000 mg / l / 24h (water flea - Daphnia)
- EC<sub>50</sub> >1,640 mg / l / 72h (Chlorophyceae - Scenedesmus subspicatus)
- **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.
- **Ecotoxicological 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.
- **12.5. Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6. Other adverse effects** No further relevant information available.

### 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.  
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **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**
- **DOT, ADG, ADN, IMDG, IATA** Void
- **14.2. UN proper shipping name**
- **DOT, ADG, ADN, IMDG, IATA** Void
- **14.3. Transport hazard class(es)**
- **DOT**
- **Class** Void  
No dangerous good
- **Class** Void
- **14.4. Packing group**
- **DOT, ADG, IMDG, IATA** Void
- **14.5. Environmental hazards:**
- **Marine pollutant:** No
- **14.6. Special precautions for user** Not applicable.
- **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

### SECTION 15: Regulatory information

- **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
See position no 2 - Hazards Identification
- **Australian Inventory of Chemical Substances: (Substances not listed)**  
  
All ingredients are listed.
- **Standard for the Uniform Scheduling of Medicines and Poisons**  
  
None of the ingredients is listed.

(Contd. on page 10)

AUS

# Safety data sheet

## according to WHS Regulations

Printing date 13.02.2019

Version-No. 11

Revision: 12.02.2019

**Trade name / Article-No: KLEIBERIT 501.0**

(Contd. of page 9)

- **National regulations:**
- **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**

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H373 May cause damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.

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

- **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport 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)
- 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
- Acute Tox. 2: Acute toxicity – Category 2
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

AUS