

**Safety Data Sheet**
acc. to OSHA HCS

Printing date 09/20/2019



Version-No. 5

Reviewed on 09/20/2019

1 Identification

- **1.1. Product identifier**
 - **Trade name / Article No: KLEIBERIT 711.3**
 - **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:**
KLEBCHEMIE
M.G.Becker GmbH + Co. KG
Max Becker Str. 4
D - 76356 Weingarten / Baden
Germany
 - **Information department:**
e-mail: hse@kleiberit.com
 - **1.4. Emergency telephone number:**
+1 866 928 0789 USA (English, French, Spanish)
+1 215 207 0061 Americas regional number (English, Spanish, Portuguese)
+1 866 928 0789 USA (English, French, Spanish)
+1 215 207 0061 Americas regional number (English, Spanish, Portuguese)
- KLEIBERIT Adhesives USA Inc.
109-B Howie Mine Road, PO Box 1319
Waxhaw, NC 28173
USA
Phone 1-704-843-3339
FAX 1-704-843-4930

2 Hazard(s) identification

- **2.1. Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**
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.
 - **2.2. Label elements**
 - **Hazard pictograms**
- 
- GHS08
- **Signal word** Danger
 - **Hazard-determining components of labeling:**
aliphatic polyisocyanate, based on HDI
diphenylmethane-4,4'-diisocyanate
 - **Hazard statements**
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
 - **NFPA-ratings (scale 0 - 4) - USA:**
- 
- Health = 1
Fire = 0
Reactivity = 0

(Contd. on page 2)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: **KLEIBERIT 711.3**

(Contd. of page 1)

· HMIS-ratings (scale 0 - 4) - USA:

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

· 2.3. Other hazards

· Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

· 3.2 Mixtures

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

· Dangerous components:

Registry-No's	Identification / Classification GHS-CLP	%
CAS: 28182-81-2	aliphatic polyisocyanate, based on HDI Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	<2%
CAS: 140921-24-0	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Skin Sens. 1, H317	<1%
CAS: 101-68-8 RTECS: NQ 9350000	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. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	<1%
CAS: 80-62-6 RTECS: OZ 5075000	methyl methacrylate Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	<0.5%
CAS: 97-88-1 RTECS: OZ 3675000	n-Butyl methacrylate Flam. Liq. 3, H226; 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.

4 First-aid measures

· 4.1. Description of first aid measures

· 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:

After contact with the molten product, cool rapidly with cold water.

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

If skin irritation continues, consult a doctor.

· After eye contact: Rinse opened eye for several minutes under running water.

· After swallowing: If symptoms persist consult 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.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: **KLEIBERIT 711.3**

(Contd. of page 2)

5 Fire-fighting measures

- **5.1. Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing 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 (NO_x)
Isocyanate
Traces: Hydrogen cyanide (HCN)
- **5.3. Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.
See Pos. 8 - Breathing equipment.
- **6.2. Environmental precautions:** No special measures required.
- **6.3. Methods and material for containment and cleaning up:**
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.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**
 - 9003-11-6 Polyoxyalkylene diol: 6.9 mg/m³
 - 25322-69-4 polypropylene glycol: 30 mg/m³
 - 101-68-8 diphenylmethane-4,4'-diisocyanate: 0.45 mg/m³
 - 80-62-6 methyl methacrylate: 17 ppm
 - 97-88-1 n-Butyl methacrylate: 19 mg/m³
 - 822-06-0 hexamethylene-1,6-diisocyanate: 0.018 ppm
 - 108-88-3 toluene: 67 ppm
 - 140-88-5 Ethyl acrylate: 8.3 ppm
- **PAC-2:**
 - 9003-11-6 Polyoxyalkylene diol: 76 mg/m³
 - 25322-69-4 polypropylene glycol: 330 mg/m³
 - 101-68-8 diphenylmethane-4,4'-diisocyanate: 5 mg/m³
 - 80-62-6 methyl methacrylate: 120 ppm
 - 97-88-1 n-Butyl methacrylate: 210 mg/m³
 - 822-06-0 hexamethylene-1,6-diisocyanate: 0.2 ppm
 - 108-88-3 toluene: 560 ppm
 - 140-88-5 Ethyl acrylate: 36 ppm

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: KLEIBERIT 711.3

(Contd. of page 3)

· PAC-3:
9003-11-6 Polyoxyalkylene diol: 460 mg/m³25322-69-4 polypropylene glycol: 2,000 mg/m³101-68-8 diphenylmethane-4,4'-diisocyanate: 55 mg/m³

80-62-6 methyl methacrylate: 570 ppm

97-88-1 n-Butyl methacrylate: 1,300 mg/m³

822-06-0 hexamethylene-1,6-diisocyanate: 3 ppm

108-88-3 toluene: 3700* ppm

140-88-5 Ethyl acrylate: 240 ppm

7 Handling and storage

· Handling:
· 7.1. Precautions for safe handling

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 solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

Not less than 3-5 air exchanges per hour

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

Spraying: in vented cabin with laminar air flow

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

Clean the pipe before decoupling

Use only in well ventilated areas.

Prevent formation of dust.

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

regular check up, maintenance and cleaning of equipment and machines

Personnel who work with Polyisocyanates should have a pre-placement medical examination and periodic examinations thereafter, including a pulmonary function test. Anyone with a medical history of chronic respiratory disease, asthmatic or bronchial attacks, indications of allergic responses, recurrent eczema or sensitization conditions of the skin should not handle or work with Polyisocyanates. Anyone who develops chronic respiratory distress when working with Polyisocyanates should be removed from exposure and examined by a physician. Further exposure must be avoided if a sensitivity to Polyisocyanates or the corresponding monomeric diisocyanates has developed.

Avoid contact with skin and eyes.

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

Allow access to authorized personnel only.

additional to professional application with multiple and/or significant contact

limit the exposure to 4 hours

have emergency plan in place, to minimize impact

· 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.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: **KLEIBERIT 711.3**

(Contd. of page 4)

8 Exposure controls/personal protection

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

· **8.1. Control parameters**

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

CAS No.	Designation of material	%	Type	Value	Unit
---------	-------------------------	---	------	-------	------

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

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

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

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

EL (USA) Long-term value: 0.005 ppm
Ceiling limit value: 0.01 ppm
S(R)

EV (USA) Long-term value: 0.005 ppm
Ceiling limit value: 0.02 ppm

TWA (USA) Short-term value: 0.2 (10 minutes) mg/m³, 0.02 ppm
Long-term value: 0.05 mg/m³, 0.005 ppm
IDLH Documentation 8/16/96

80-62-6 methyl methacrylate

PEL (USA) Long-term value: 410 mg/m³, 100 ppm

REL (USA) Long-term value: 410 mg/m³, 100 ppm

TLV (USA) Short-term value: 410 mg/m³, 100 ppm
Long-term value: 205 mg/m³, 50 ppm
DSEN

EL (USA) Short-term value: 100 ppm
Long-term value: 50 ppm
S(D)

EV (USA) Short-term value: 100 ppm
Long-term value: 50 ppm

97-88-1 n-Butyl methacrylate

EL (USA) Long-term value: 50 ppm

· **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:**

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Use skin protection cream for skin protection.

· **Breathing equipment:**

Wear NIOSH-approved, air-purifying respirator.

Wear NIOSH-approved, air-purifying respirator in case of insufficient ventilation.

Combination Filter OV (Organic Vapours) / P95 (Particles and Aerosols) [42 CFR part 84]

At spray application respiratory protection must be worn.

· **Protection of hands:**

Heat resistant gloves

Protective gloves

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: KLEIBERIT 711.3

(Contd. of page 5)

Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.

- **Material of gloves**

- Leather gloves

- A Nitrile rubber - NBR: AlphaTec® (Lamination strength not applicable)

- **Eye protection:** Safety glasses

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **9.1. Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- Form:** Solid

- Color:** According to product specification

- **Odor:** uncharacteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

- Melting point/Melting range:** Undetermined.

- Boiling point/Boiling range:** Undetermined.

- Softening temperature / range:** ca. 70 °C (~158 °F) (ring + ball)

- **Flash Point:** Not applicable.

- **Flammability (solid, gaseous):** Not determined.

- **Ignition Temperature:** >300 °C (>572 °F)

- **Decomposition Temperature:** Not determined.

- **Auto Igniting:** Product is not selfigniting.

- **Danger of Explosion:** Product does not present an explosion hazard.

- **Explosion Limits:**

- Lower:** Not determined.

- Upper:** Not determined.

- **Vapor Pressure:** Not applicable.

- **Density at 20 °C (68 °F):** ca. 1.1 g/cm³ (~9.18 lbs/gal)

- **Relative Density** Not determined.

- **Vapour Density** Not applicable.

- **Evaporation Rate** Not applicable.

- **Solubility in / Miscibility with**

- Water:** Insoluble.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:** At room temperature: not applicable

- **Dynamic:** Not applicable.

- **Kinematic:** Not applicable.

- **9.2. Other information** No further relevant information available.

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.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: KLEIBERIT 711.3

(Contd. of page 6)

- **10.4. Conditions to avoid** No further relevant information available.
- **10.5. Incompatible materials:** No further relevant information available.
- **10.6. Hazardous decomposition products:** Isocyanate
- **Additional information:**
When hotmelt adhesives are melted and applied, vapours are set free and an unpleasant odour can occur, even if the recommended working temperature has been observed. Moreover if the prescribed working temperature is exceeded over a longer period, harmful decomposition products can develop. Therefore measures for the elimination of the vapours have to be taken, e.g. by means of an appropriate ventilation/ exhaust device.

11 Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**

28182-81-2 aliphatic polyisocyanate, based on HDI

Oral	LD ₅₀	>2,500 mg/kg (rat) weibliche Ratte >2500 mg/kg
Dermal	LD ₅₀	>2,000 mg/kg (rabbit) (OECD 402) >2,000 mg/kg (rat) (OECD 402)
Inhalative	LC ₅₀ /4h _(Staeube,Nebel)	0.467 mg/l (rat)

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

Oral	LD ₅₀	>10,000 mg/kg (rat) (84/449/EWG, B.1)
Dermal	LD ₅₀	>9,400 mg/kg (rabbit) (OECD 402)
Inhalative	LC ₅₀ /4h _(Staeube,Nebel)	1.5 mg/l (rat) (Calculation (ATE))

80-62-6 methyl methacrylate

Oral	LD ₅₀	7,872 mg/kg (rat)
------	------------------	-------------------

97-88-1 n-Butyl methacrylate

Oral	LD ₅₀	22,600 mg/kg (rat)
Dermal	LD ₅₀	11,300 mg/kg (rbt)
Inhalative	LC ₅₀ /4 h	4,910 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

diphenylmethane-4,4'-diisocyanate: 3

methyl methacrylate: 3

toluene: 3

Ethyl acrylate: 2B
- **NTP (National Toxicology Program)**

None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: KLEIBERIT 711.3

(Contd. of page 7)

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information
· 12.1. Toxicity
· Aquatic toxicity:
28182-81-2 aliphatic polyisocyanate, based on HDI
LC₅₀ >100 mg / l / 96h (Zebrafish - Danio rerio)EC₅₀ >100 mg / l / 48h (water flea - daphnia)EC₅₀ >100 mg / l / 72h (algae)
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)
· 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. Other adverse effects No further relevant information available.

13 Disposal considerations
· 13.1. Waste treatment methods
· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:
· Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

14 Transport information
· 14.1. UN-Number
· DOT, ADR, IMDG, IATA

Void

· 14.2. UN proper shipping name
· DOT, ADR, IMDG, IATA

Void

· 14.3. Transport hazard class(es)
· DOT
· Class

Void

No dangerous good

· Class

Void

· 14.4. Packing group
· DOT, ADR, IMDG, IATA

Void

· 14.5. Environmental hazards:

Not applicable.

· 14.6. Special precautions for user

Not applicable.

· 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: **KLEIBERIT 711.3**

(Contd. of page 8)

15 Regulatory information

- **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

See position no 2 - Hazards Identification

- **SARA (Superfund Amendments and Reauthorization Act) - USA**

- **Section 355 (Extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

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

80-62-6 methyl methacrylate

- **TSCA (Toxic Substances Control Act) - USA**

9003-11-6 Polyoxyalkylene diol: ACTIVE

25322-69-4 polypropylene glycol: ACTIVE

68131-77-1 distillates (petroleum), steam-cracked, polymerized: ACTIVE

140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate: ACTIVE

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

80-62-6 methyl methacrylate: ACTIVE

97-88-1 n-Butyl methacrylate: ACTIVE

- **DSL (Canadian Domestic Substance List) - Canada: (Substances not listed)**

All ingredients are listed.

- **Hazardous Air Pollutants**

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

80-62-6 methyl methacrylate

822-06-0 hexamethylene-1,6-diisocyanate

108-88-3 toluene

140-88-5 Ethyl acrylate

- **Proposition 65 - USA/California**

- **Chemicals known to cause cancer:**

140-88-5 Ethyl acrylate

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity (Prop 65):**

108-88-3 toluene

- **EPA (Environmental Protection Agency) - USA**

101-68-8 diphenylmethane-4,4'-diisocyanate: D, CBD

(Contd. on page 10)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: KLEIBERIT 711.3

(Contd. of page 9)

80-62-6 methyl methacrylate: E, NL

108-88-3 toluene: II

· **TLV (Threshold Limit Value established by ACGIH) - USA:**

101-68-8 diphenylmethane-4,4'-diisocyanate: see pos. 8

80-62-6 methyl methacrylate: A4

108-88-3 toluene: A4

140-88-5 Ethyl acrylate: A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health) - California/USA**

140-88-5 Ethyl acrylate

· **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.

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 vapor.

H226 Flammable liquid and vapor.

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.

H351 Suspected of causing cancer.

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

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

· **Abbreviations and acronyms:**

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

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

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

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

Printing date 09/20/2019

Version-No. 5

Reviewed on 09/20/2019

Trade name / Article No: KLEIBERIT 711.3

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

(Contd. of page 10)

USA