

**Safety data sheet**  
according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

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

· **1.1 Product identifier**

· **Trade name:** SPEZIAL KLEBER

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

No further relevant information available.

· **Application of the substance / the mixture** Adhesives

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

L'ISOLANTE K-FLEX S.p.A.  
Via Don Locatelli, 35 Roncello (MB) 20877 ITALY  
Tel. +39 039 68 24.1  
E-mail: Kflex-Reach@isolante.com

· **Further information obtainable from:** R&D Dept.

· **1.4 Emergency telephone number:**

Tel. +39 039 68 24.1 (9.00 - 17.00)

ITALIA Centro Antiveneni Ospedale Niguarda "Ca' Granda" MILANO tel. 02/66101029; Fondazione Maugeri - Clinica del lavoro e della Riabilitazione PAVIA tel. 0382/24444; Centro Documentazione Tossicologica - Università degli Studi PADOVA tel. 049/8275078; Centro Antiveneni Istituto Scientifico "G. Gaslini" GENOVA tel. 010/5636245; Centro Antiveneni Azienda Ospedaliera "Careggi" FIRENZE tel. 055/4277328; Centro Antiveneni "Policlinico Gemelli" ROMA tel. 06/3054343; Centro Antiveneni Università degli Studi di Roma "La Sapienza" ROMA tel. 06/49970698; Centro Antiveneni Azienda Ospedaliera "A. Cardarelli" NAPOLI tel. 081/7472870; Centro antiveneni Azienda Ospedaliera Universitaria FOGGIA tel. 0881/731111

AUSTRIA Vergiftungsinformationszentrale +43 1 406 43 43

BELGIUM Centre Antipoisons-Antigifcentrum +32 30245245

BULGARIA National Toxicology Centre at National Clinical Toxicology Centre +359 2 9154 233

CROATIA Poison Control Centre Zagreb +385 1 2348342

CECH REPUBLIC Toxicological Information Centre + 420224919 293

DENMARK Poison Information Centre n +45 82 12 12 12

ESTONIA Estonian Poison Information centre +372 626 93 90

FINLAND Finnish Poison Information Centre +358 9 471977

FRANCE Centre Antipoison et de Toxicovigilance de Angers +33 2 41 35 33 30

HUNGARY Health Toxicology Information Service +36 80 20 11 99

IRELAND Poison Information Centre of Ireland +353 1 809 2166

LATVIA Valsts Toksikologijas centres + 371 67042473

LITHUANIA Lithuania Poison Control and Information Bureau +370 5 236 20 52

NORGE Giftinformasjonen : 22 59 13 00 (døgnåpen)

PORTUGAL CIAV Centro de Informacao Antivenenos +351 808 250 143

SLOVAKIA National Toxicological Information Center +421 2 54 774 166

POLAND Informacja toksykologiczna w Polsce +48 42 631 47 24 (czynna 7:00-15:00)

SPAIN Instituto Nacional de Toxicologia +34 156 20420

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

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



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 2)

**Safety data sheet**  
according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

**Trade name: SPEZIAL KLEBER**

(Contd. of page 1)



GHS07

Skin Irrit. 2      H315 Causes skin irritation.  
 Eye Irrit. 2      H319 Causes serious eye irritation.  
 STOT SE 3      H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS02    GHS07    GHS09

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics < 5% n-hexane (REACH Registered Name)

Ethyl acetate

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

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

P240      Ground/bond container and receiving equipment.

P241      Use explosion-proof electrical/ventilating/lighting equipment.

P261      Avoid breathing dust/fume/gas/mist/vapours/spray.

P280      Wear protective gloves/protective clothing/eye protection/face protection.

P280      Wear protective gloves.

P280      Wear eye protection / face protection.

P303+P361+P353 **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

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

P312      Call a POISON CENTER/doctor if you feel unwell.

P405      Store locked up.

P501      Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Contains Rosin. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

GB

(Contd. on page 3)

## Safety data sheet

according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

Trade name: **SPEZIAL KLEBER**

(Contd. of page 2)

### SECTION 3: Composition/information on ingredients

#### · 3.2 Chemical characterisation: Mixtures

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

#### · **Dangerous components:**

CAS: 92062-15-2 EC number: 926-605-8 Reg.nr.: 01-2119486291-36	Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics < 5% n-hexane (REACH Registered Name) ----- ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	20-40%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	Ethyl acetate ----- ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	20-40%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	Butanone ----- ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	15-25%
CAS: 64742-49-0 EC number: 931-254-9 Reg.nr.: 01-2119484651-34	Naphtha (petroleum), hydrotreated light; hydrocarbons C6 isoalkanes < 5% n-hexane (REACH Registered Name) ----- ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	10-15%
CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix) ----- ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	0.1-0.5%
CAS: 8050-09-7 EINECS: 232-475-7 Reg.nr.: 01-2119480418-32	Rosin ----- ⚠ Skin Sens. 1, H317	0.1-0.5%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119555270-46	Butylated hydroxytoluene ----- ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	0.05-0.2%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene ----- ⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	0.05-0.2%

#### · **UVCB (Unknown Variable Complex reaction product or Biological Origin)**

64742-49-0	Naphtha (petroleum), hydrotreated light; hydrocarbons C6 isoalkanes < 5% n-hexane (REACH Registered Name)
------------	---

· **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

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **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:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

Trade name: **SPEZIAL KLEBER**

(Contd. of page 3)

- **For safety reasons unsuitable extinguishing agents:**  
Water  
Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **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** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/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:**

#### 141-78-6 Ethyl acetate

WEL	Short-term value: 400 ppm Long-term value: 200 ppm
-----	---

#### 78-93-3 Butanone

WEL	Short-term value: 899 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm Sk, BMGV
-----	---

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

**Trade name: SPEZIAL KLEBER**

(Contd. of page 4)

**1330-20-7 xylene (mix)**

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
Sk; BMGV

**8050-09-7 Rosin**

WEL Short-term value: 0.15 mg/m<sup>3</sup>  
Long-term value: 0.05 mg/m<sup>3</sup>  
Sen

**100-41-4 ethylbenzene**

WEL Short-term value: 552 mg/m<sup>3</sup>, 125 ppm  
Long-term value: 441 mg/m<sup>3</sup>, 100 ppm  
Sk

**· DNELs****141-78-6 Ethyl acetate**

Dermal	Long term-Systemic effect	63 mg/kg (workers)
Inhalative	Long term-Systemic effect	1,468 mg/m <sup>3</sup> (workers)
	Long term-Local effect	1,468 mg/m <sup>3</sup> (workers)

**78-93-3 Butanone**

Dermal	Long term-Local effect	1,161 mg/kg (workers)
Inhalative	Long term-Systemic effect	600 mg/m <sup>3</sup> (workers)

**64742-49-0 Naphtha (petroleum), hydrotreated light; hydrocarbons C6 isoalkanes < 5% n-hexane (REACH Registered Name)**

Dermal	Long term-Systemic effect	13,964 mg/kg (workers)
Inhalative	Long term-Local effect	5,306 mg/m <sup>3</sup> (workers)

**· PNECs****141-78-6 Ethyl acetate**

fresh water	0.26 mg/l (frs)
	0.26 mg/l (water)
marine water	26 mg/l (mar)
	26 mg/l (water)
Intermittent release	650 mg/l (water)

**78-93-3 Butanone**

sediment-fresh water	284.7 mg/l (water)
sewage treatment plant	284.7 mg/l (water)
Soil	22.5 mg/kg (soil)

**· Ingredients with biological limit values:****78-93-3 Butanone**

BMGV 70 µmol/L  
Medium: urine  
Sampling time: post shift  
Parameter: butan-2-one

**1330-20-7 xylene (mix)**

BMGV 650 mmol/mol creatinine  
Medium: urine  
Sampling time: post shift  
Parameter: methyl hippuric acid

**· Additional information:** The lists valid during the making were used as basis.

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

**Trade name: SPEZIAL KLEBER**

(Contd. of page 5)

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Filter A/P2
- **Protection of hands:**



Protective gloves

Rubber gloves

- **Material of gloves** Butyl rubber, BR
- **Penetration time of glove material**  
For the mixture of chemicals mentioned below the penetration time has to be at least 240 minutes (Permeation according to EN 374 Part 3: Level 5).  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form:	Fluid
Colour:	Orange
Odour:	Characteristic

##### · Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	36 °C

· **Flash point:** -20 °C

· **Ignition temperature:** >200 °C

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### · Explosion limits:

Lower:	1.2 Vol %
Upper:	11.5 Vol %

· **Vapour pressure at 20 °C:** 110 hPa

· **Density at 20 °C:** 0.86 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

**Trade name: SPEZIAL KLEBER**

(Contd. of page 6)

- |                                |  |
|--------------------------------|--|
| · <b>Viscosity:</b>            |  |
| <b>Dynamic at 20 °C:</b>       | 500 mPas                                   |
| <b>Kinematic:</b>              | Not determined.                            |
| · <b>Solvent content:</b>      |  |
| <b>Organic solvents:</b>       | 80.6 %                                     |
| <b>Water:</b>                  | 0.0 %                                      |
| <b>VOC (EU):</b>               | 694.0 g/l                                  |
| · <b>Solids content:</b>       | 19.4 %                                     |
| · <b>9.2 Other information</b> | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **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:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**141-78-6 Ethyl acetate**

Oral	LD50	4,935 mg/kg (rabbit)
Inhalative	LC50/4 h	1,600 mg/l (rat)

**78-93-3 Butanone**

Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)

**1330-20-7 xylene (mix)**

Oral	LD50	8,700 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	6,350 mg/l (rat)

**128-37-0 Butylated hydroxytoluene**

Oral	LD50	890 mg/kg (rat)
------	------	-----------------

**98-54-4 4-tert-butylphenol**

Oral	LD50	2,951 mg/kg (rat)
Dermal	LD50	2,288 mg/kg (rabbit)

**100-41-4 ethylbenzene**

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 8)

## Safety data sheet

according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

Trade name: **SPEZIAL KLEBER**

(Contd. of page 7)

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause 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.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

##### 141-78-6 Ethyl acetate

EC50/48h	165,000 µg/l (daphnia magna)
----------	------------------------------

##### 78-93-3 Butanone

EC50/48h	30,800 µg/l (daphnia magna)
----------	-----------------------------

EC50/96h	2,029 ppm (Crustacea - Gammarus pseudolimnaeus)
----------	---

- **12.2 Persistence and degradability** No further relevant information available.

#### 12.3 Bioaccumulative potential

##### 141-78-6 Ethyl acetate

LogPow	3.0
--------	-----

##### 64742-49-0 Naphtha (petroleum), hydrotreated light; hydrocarbons C6 isoalkanes < 5% n-hexane (REACH Registered Name)

LogPow	3.6
--------	-----

- **12.4 Mobility in soil** No further relevant information available.

#### Ecotoxicological effects:

- **Remark:** Toxic for fish
- **Additional ecological information:**

#### General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.

#### 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.

##### Uncleaned packaging:

- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 9)



## Safety data sheet

according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018




Version number 17

Revision: 12.07.2018

Trade name: **SPEZIAL KLEBER**

(Contd. of page 8)

### SECTION 14: Transport information

<ul style="list-style-type: none"> <li>· 14.1 UN-Number</li> <li>· ADR, IMDG, IATA</li> </ul>	<p style="text-align: center;">UN1133</p>
<ul style="list-style-type: none"> <li>· 14.2 UN proper shipping name</li> <li>· ADR</li> <li>· IMDG</li> <li>· IATA</li> </ul>	<p>1133 ADHESIVES, special provision 640D, ENVIRONMENTALLY HAZARDOUS</p> <p>ADHESIVES (Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics &lt; 5% n-hexane (REACH Registered Name), HEXANES), MARINE POLLUTANT</p> <p>ADHESIVES</p>
<ul style="list-style-type: none"> <li>· 14.3 Transport hazard class(es)</li> <li>· ADR, IMDG</li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">   </div> <p>· Class <span style="float: right;">3 Flammable liquids.</span></p> <p>· Label <span style="float: right;">3</span></p>
<ul style="list-style-type: none"> <li>· IATA</li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">  </div> <p>· Class <span style="float: right;">3 Flammable liquids.</span></p> <p>· Label <span style="float: right;">3</span></p>
<ul style="list-style-type: none"> <li>· 14.4 Packing group</li> <li>· ADR, IMDG, IATA</li> </ul>	<p style="text-align: center;">II</p>
<ul style="list-style-type: none"> <li>· 14.5 Environmental hazards:</li> <li>· Marine pollutant:</li> <li>· Special marking (ADR):</li> </ul>	<p>Product contains environmentally hazardous substances: Butylated hydroxytoluene, Solvent naphtha (petroleum), hydrotreated light naphthenic; Hydrocarbons C6-C7 isoalkanes cyclics &lt; 5% n-hexane (REACH Registered Name)</p> <p>Yes</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p>
<ul style="list-style-type: none"> <li>· 14.6 Special precautions for user</li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> <li>· Stowage Category</li> </ul>	<p>Warning: Flammable liquids.</p> <p>33</p> <p>F-E,S-D</p> <p>B</p>
<ul style="list-style-type: none"> <li>· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</li> </ul>	<p style="text-align: center;">Not applicable.</p>
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> </ul>	<p>· ADR</p> <p>· Limited quantities (LQ) <span style="float: right;">5L</span></p> <p>· Excepted quantities (EQ) <span style="float: right;">Code: E2</span></p> <p style="margin-left: 100px;">Maximum net quantity per inner packaging: 30 ml</p> <p style="margin-left: 100px;">Maximum net quantity per outer packaging: 500 ml</p> <p>· Transport category <span style="float: right;">2</span></p> <p>· Tunnel restriction code <span style="float: right;">D/E</span></p>

(Contd. on page 10)

**Safety data sheet**  
according to 1907/2006/EC, Article 31 and 830/2015

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

**Trade name: SPEZIAL KLEBER**

(Contd. of page 9)

· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1133 ADHESIVES, SPECIAL PROVISION 640D, 3, II, ENVIRONMENTALLY HAZARDOUS

### SECTION 15: Regulatory information

#### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
E2 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40

#### · National regulations:

#### · Technical instructions (air):

Class	Share in %
NK	80.7

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **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.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

#### · Department issuing SDS: R&D Dept.

#### · 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
- IATA: International Air Transport Association

(Contd. on page 11)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 and 830/2015**

Printing date 12.07.2018

Version number 17

Revision: 12.07.2018

**Trade name: SPEZIAL KLEBER**

(Contd. of page 10)

*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)*  
*VOC: Volatile Organic Compounds (USA, EU)*  
*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*  
*Flam. Liq. 3: Flammable liquids – Category 3*  
*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*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*  
*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*  
*Asp. Tox. 1: Aspiration hazard – Category 1*  
*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*  
*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

**\* Data compared to the previous version altered.**

GB