

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

Printing date 31.05.2017

Version number 4

Revision: 31.05.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name **ELP-1K**

Article number: 1910

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

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category

PC1 Adhesives, sealants

PC9a Coatings and paints, thinners, paint removers

Process category

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 Roller application or brushing

PROC11 Non industrial spraying

Environmental release category

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC10a Widespread use of articles with low release (outdoor)

Application of the substance / the mixture Coating**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Remmers GmbH

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D-49624 Lönningen / Germany

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Remmers (UK) Limited
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West Sussex RH10 9NN
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Informing department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010

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1.4 Emergency telephone number:

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

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Head Office Germany: Tel.: +49 (0)5432 83 187

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24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008** Void

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2017

Version number 4

Revision: 31.05.2017

Trade name **ELP-1K**

(Contd. of page 1)

Hazard pictograms Void**Signal word** Void**Hazard statements** Void**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

* SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of the substances listed below with harmless additions.

Dangerous components:		
CAS: 8052-42-4 EINECS: 232-490-9 Reg.nr.: 01-2119480172-44-XXXX	Bitumen substance with a Community workplace exposure limit	40-60%

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 No special measures required.**After inhalation** Seek medical treatment in case of complaints.**After skin contact**

Do not pull solidified product away from the skin.

If skin irritation continues, consult a doctor.

After eye contact Rinse opened eye for several minutes under running water.**After swallowing**

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

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

symptomatic treatment

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents Use fire fighting measures that suit the environment.**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 Not required.

6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:

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

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 information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage**Requirements to be met by storerooms and containers:** No special requirements.**Information on storage in a common storage facility:** none

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2017

Version number 4

Revision: 31.05.2017

Trade name **ELP-1K**

(Contd. of page 2)

Further information about storage conditions: Protect from frost.**7.3 Specific end use(s)** No further relevant information available.

SECTION 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: 8052-42-4 Bitumen	
WEL	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³

Additional information: The lists that were valid during compilation were used as a basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Avoid close or long term contact with the skin.

Respiratory equipment:

Only during spraying without adequate removal by suction.

Particle-Filter P2.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Break through time: max. 240 min (DIN EN 374).

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: if there is a risk of splashes**Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Liquid
Colour:	Dark
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value at 20 °C:	10
Change in condition	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100 °C
Flash point:	> 100 °C
Inflammability (solid, gaseous)	Not applicable.
Ignition temperature:	not applicable
Decomposition temperature:	Not determined.
Self-inflammability:	Product is not self-igniting.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2017

Version number 4

Revision: 31.05.2017

Trade name **ELP-1K**

(Contd. of page 3)

Explosive properties:	Product is not explosive.
Explosive Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C:	23 hPa
Density at 20 °C	1.1 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	miscible
Distribution coefficient (n-octanol/water):	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic at 20 °C:	90 s (DIN 53211/4)
Solvent separation test	< 3 %
Organic solvents:	0.0 %
9.2 Other information	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 handled and stored 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:

None if used properly.

None if stored properly.

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 that are relevant for classification:

CAS: 8052-42-4 Bitumen

Oral	LD50	> 5000 mg/kg (rat)
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Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation: Based on available data, the classification criteria are not met.

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: Based on available data, the classification criteria are not met.

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: No further relevant information available.

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.

(Contd. on page 5)

Safety data sheet

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Revision: 31.05.2017

Trade name **ELP-1K**

(Contd. of page 4)

Additional ecological information:**General notes:** Do not allow product to reach ground water, bodies of water or sewage system.**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****Recommendation**

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

European waste catalogue	
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information**

14.1 UN-Number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, 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.
Transport/Additional information:	Not a hazardous good according to the above regulations.
UN "Model Regulation":	Void

*** 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.**National regulations****Other regulations, limitations and prohibition ordinances**

Observe the usual protective measures when working and for storage.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Department issuing data specification sheet: Product Safety department / EHS

(Contd. on page 6)

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

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Trade name **ELP-1K**

(Contd. of page 5)

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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative