

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

Printing date 18.07.2018

Version number 3

Revision: 18.07.2018

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

- **1.1 Product identifier**
- **Trade name: Kleber SKL 44**
- **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:**  
Spengler Fluorkunststoffe GmbH & Co. KG  
Buchenring 20  
D-42281 Wuppertal  
Tel.: +49 202 8702790  
Fax: +49 202 8702786  
Website: www.sp-ptfe.de  
e-Mail: info@sp-ptfe.de
- **Informing department:**  
Phone: +49 202 8702790  
Fax.: +49 202 8702786
- **1.4 Emergency telephone number:** Phone +49 202 8702790

**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 Acute 1      H400 Very toxic to aquatic life.  
Aquatic Chronic 1      H410 Very toxic to aquatic life with long lasting effects.



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.

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**Hazard pictograms**

GHS02 GHS07 GHS09

**Signal word** Danger**Hazard-determining components of labelling:**

cyclohexane  
ethyl acetate  
Naphtha (petroleum), hydrotreated light

**Hazard statements**

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

**Additional information:**

Packaging of whatever capacity that is delivered to the general public shall be fitted with a tactile warning of danger according to EN ISO 11683.  
Packaging of whatever capacity supplied to the general public shall be fitted with child-resistant fastenings.  
Contains Rosin. May produce an allergic reaction.

**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:** Solvent mixture with additives.

**Dangerous components:**

CAS: 110-82-7	cyclohexane	25 - 50%
EINECS: 203-806-2	Flam. Liq. 2, H225;  Asp. Tox. 1, H304;	
Reg.nr.: 01-2119463273-41-X	Aquatic Acute 1, H400;  Aquatic Chronic 1, H410;	
	Skin Irrit. 2, H315;  STOT SE 3, H336	

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CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-X	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25 - 50%
CAS: 64742-49-0 EINECS: 265-151-9 Reg.nr.: 01-2119475133-43-X	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥ 10 - < 25%
CAS: 110-54-3 EINECS: 203-777-6 Reg.nr.: 01-2119480412-44-X	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥ 0.25 - ≤ 1%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-X	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥ 0.25 - ≤ 1%
CAS: 8050-09-7 EINECS: 232-475-7 Reg.nr.: 01-2119480418-32-X	Rosin Skin Sens. 1, H317	≥ 0.1 - < 1%

• **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** Instantly remove any clothing contaminated by the product.
- **After inhalation** Supply fresh air and call for doctor for safety reasons.
- **After skin contact**  
Wash with water and soap.  
In case of skin irritations or sensitizing effects, consult doctor.
- **After eye contact**  
Keep eye lids open and rinse them with ample amounts of clean running water for at least 15 minutes.  
Call a doctor immediately.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting.  
In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions
- **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**  
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Inhalation of combustion gases may cause serious health hazards.  
During incomplete combustion carbon monoxide can be formed.  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.

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**Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from sources of ignition - No smoking.  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation

**6.2 Environmental precautions:**

Prevent material from reaching sewage system, holes and cellars.  
Inform respective authorities in case product reaches water or sewage system.  
Do not allow to enter drainage system, surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Dispose of contaminated material as waste according to section 13.

**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**

Keep containers tightly sealed.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.

**Information about protection against explosions and fires:**

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 containers:**

Store in cool location.  
Store only in the original container.

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:** Store container in a well ventilated position.

**7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

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

WEL: workplace exposure limit

IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

**110-82-7 cyclohexane**

WEL (Great Britain)	Short-term value: 1050 mg/m <sup>3</sup> , 300 ppm Long-term value: 350 mg/m <sup>3</sup> , 100 ppm
IOELV (European Union)	Long-term value: 700 mg/m <sup>3</sup> , 200 ppm

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**141-78-6 ethyl acetate**

WEL (Great Britain)	Short-term value: 400 ppm Long-term value: 200 ppm
IOELV (European Union)	Short-term value: 1468 mg/m <sup>3</sup> , 400 ppm Long-term value: 734 mg/m <sup>3</sup> , 200 ppm

**110-54-3 n-hexane**

WEL (Great Britain)	Long-term value: 72 mg/m <sup>3</sup> , 20 ppm
IOELV (European Union)	Long-term value: 72 mg/m <sup>3</sup> , 20 ppm

**8050-09-7 Rosin**

WEL (Great Britain)	Short-term value: 0.15 mg/m <sup>3</sup> Long-term value: 0.05 mg/m <sup>3</sup> Sen
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**- DNELs****110-82-7 cyclohexane**

Oral	DNEL (consumer, long-term, systemic)	59.4 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	2,016 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	1,186 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	700 mg/m <sup>3</sup> (human)
	DNEL (worker, long-term, systemic)	700 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, systemic)	412 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, systemic)	206 mg/m <sup>3</sup> (human)
	DNEL (worker, short-term, local)	700 mg/m <sup>3</sup> (human)
	DNEL (worker, long-term, local)	700 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, local)	412 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, local)	206 mg/m <sup>3</sup> (human)

**64742-49-0 Naphtha (petroleum), hydrotreated light**

Dermal	DNEL (worker, long-term, systemic)	25.9 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	3.25 mg/m <sup>3</sup> (human)

**1314-13-2 zinc oxide**

Oral	DNEL (consumer, long-term, systemic)	0.83 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	83 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	83 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	5 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, systemic)	2.5 mg/m <sup>3</sup> (human)

**- PNECs****110-82-7 cyclohexane**

PNEC aqua (freshwater)	0.207 mg/L (.)
PNEC aqua (marine water)	0.207 mg/L (.)
PNEC STP	3.24 mg/L (.)
PNEC soil	2.99 mg/kg soil dw (.)
PNEC sediment (freshwater)	3.627 mg/kg sedim. dw (.)
PNEC sediment (marine water)	3.627 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	0.207 mg/L (.)

**1314-13-2 zinc oxide**

PNEC aqua (freshwater)	0.00206 mg/L (.)
PNEC aqua (marine water)	0.00061 mg/L (.)
PNEC STP	0.0052 mg/L (.)

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PNEC soil	35.6 mg/kg soil dw (.)
PNEC sediment (freshwater)	117.8 mg/kg sedim. dw (.)
PNEC sediment (marine water)	56.5 mg/kg sedim. dw (.)

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and food.  
Take off all contaminated clothing immediately.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
Not necessary if room is well-ventilated.  
Use breathing protection in case of insufficient ventilation.  
Filter Type A.
- **Protection of hands:**



Protective gloves.

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**  
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**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.  
In case of a layer thickness of 0.4 mm the penetration time is longer than 480 minutes.
- **For the permanent contact gloves made of the following materials are suitable:**  
Nitrile rubber, NBR
- **Eye protection:**



Tightly sealed safety glasses.

- **Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Ester-like
- **Change in condition**

<b>Melting point/freezing point:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	Not determined

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· <b>Flash point:</b>	< -22 °C
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Critical values for explosion:</b>	
<b>Lower:</b>	1.1 Vol %
<b>Upper:</b>	11.5 Vol %
· <b>Vapour pressure at 20 °C:</b>	170 mbar
· <b>Density at 20 °C</b>	0.84 - 0.94 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix
· <b>Viscosity:</b>	
<b>dynamic at 20 °C:</b>	2000 - 2600 mPas (Brookfield)
<b>kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	
<b>VOC EU</b>	77.0 %
· <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:** Oxidizing agents.
- **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 that are relevant for classification:**

##### 110-82-7 cyclohexane

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401)
Dermal	LD0	> 2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC0	> 32.88 mg/l/4h (rat) (OECD 403)

##### 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	> 6,000 mg/kg (rat)
Dermal	LD50	> 3,000 mg/kg (rabbit)
Inhalative	LC50	> 32 mg/l/4h (rat)

##### 1314-13-2 zinc oxide

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401)
Inhalative	LC50	> 5,700 mg/l/4h (rat) (OECD 403)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Long-term skin contact may cause skin irritation and/or dermatitis.  
Causes skin irritation.

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- **Serious eye damage/irritation**  
Strongly irritant  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:** Dangerous to the environment

- **Repeated dose toxicity**

**110-82-7 cyclohexane**

Inhalative	NOAEC (90d)	6,880 mg/m <sup>3</sup> (mouse) (EPA OPPTS 870.3465)
		24,080 mg/m <sup>3</sup> (rat) (EPA OPPTS 870.3465)

**64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	NOAEL (90d)	100 mg/kg bw/day (rat) (OECD 408)
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**1314-13-2 zinc oxide**

Oral	NOAEL (90d)	> 81 mg/kg bw/day (ferret)
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- **CMR effects (carcinogenicity, 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:**

**110-82-7 cyclohexane**

EC50 (static)	2.4 mg/l/48h (Daphnia magna) (OECD 202)
LC50 (dynamic)	4.53 mg/l/96h (Pimephales promelas) (OECD 203)
EC50	3.4 mg/l/72h (Pseudokirchneriella subcapitata) (OECD 201)

**64742-49-0 Naphtha (petroleum), hydrotreated light**

EC50 (static)	4.5 mg/l/48h (Daphnia magna) (OECD 202)
EC50 (static)	3.7 mg/l/96h (Pseudokirchneriella subcapitata) (OECD 201)
LC50	8.2 mg/l/96h (Pimephales promelas) (EPA 66013-75-009)

**1314-13-2 zinc oxide**

EC50 (static)	2.6 mg/l/48h (Daphnia magna) (OECD 202)
LC50 (static)	1.793 mg/l/96h (Brachydario rerio)
EC50 (static)	0.136 mg/l/72h (Pseudokirchneriella subcapitata)

- **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.

- **Additional ecological information:**

- **General notes:**

The product contains materials that are harmful to the environment.  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.

- **12.5 Results of PBT and vPvB assessment**

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

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- **12.6 Other adverse effects** No further relevant information available.

### SECTION 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.

The waste code numbers mentioned are recommendations based on the probable use of the product.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances

- **Uncleaned packagings:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be used for recycling.

### SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, IMDG, IATA**

UN1133

- **14.2 UN proper shipping name**

- **ADR**

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS, special provision 640D

- **IMDG**

ADHESIVES, MARINE POLLUTANT

- **IATA**

ADHESIVES

- **14.3 Transport hazard class(es)**

- **ADR**



- **Class**

3 (F1) Flammable liquids.

- **Label**

3

- **IMDG**



- **Class**

3 Flammable liquids.

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· <b>Label</b>	3
· <b>IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	II
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Kemler Number:</b>	33
· <b>EMS Number:</b>	F-E,S-D
· <b>Stowage Category</b>	A
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</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>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 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**  
E1 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40, 57

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- **National regulations**
  - **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
  - **Substances of very high concern (SVHC) according to REACH, Article 57**
- |                                       |
|---------------------------------------|
| None of the ingredients is contained. |
|---------------------------------------|
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they 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.
  - H304 May be fatal if swallowed and enters airways.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.
  - H361f Suspected of damaging fertility.
  - 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 data specification sheet:**

This Material Safety Data Sheet has been drawn up in cooperation with:  
 DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
 phone: (+49) 511 42079 - 0, reach@dekra.com.  
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- **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
  - 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
  - SVHC: Substances of Very High Concern
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 2: Flammable liquids – Category 2
  - 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
  - Repr. 2: Reproductive toxicity – Category 2
  - 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.**

This datasheets replaces all previous versions.