

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

Printing date 05.09.2017

Version number 5

Revision: 13.12.2016

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

· **1.1 Product identifier**

· **Trade name:** POLYFIN Kontakkleber W

· **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:**

WAKOL GmbH  
Bottenbacher Str. 30  
D-66954 Pirmasens  
info@wakol.com  
+49 6331 8001 0

· **Informing department:**

Product safety department.  
msds@wakol.de

· **1.4 Emergency telephone number:**

Emergency CONTACT (24-Hour-Number):  
GBK GmbH +49 (0)6132-84463

**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.



GHS08 health hazard

Repr. 2      H361d Suspected of damaging the unborn child.

STOT RE 2      H373 May cause damage to organs through prolonged or repeated exposure.



GHS09 environment

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



GHS07

Skin Irrit. 2      H315 Causes skin irritation.

STOT SE 3      H336 May cause drowsiness or dizziness.

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- **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**



- **Signal word** Danger
- **Hazard-determining components of labelling:**  
toluene  
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane  
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
- **Hazard statements**  
H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H361d Suspected of damaging the unborn child.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
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.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P405 Store locked up.

- **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:** Adhesive
- **Dangerous components:**

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CAS: 108-88-3	toluene	10<24%
EINECS: 203-625-9	⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2,	
Reg.nr.: 01-2119471310-51	H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT	
	SE 3, H336	
EC number: 926-605-8	Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-2.5-<10%	
Reg.nr.: 01-2119486291-36	hexane	
	⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic	
	Chronic 2, H411; ⚠ STOT SE 3, H336	
EC number: 927-510-4	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	2.5-<10%
Reg.nr.: 01-2119475515-33	⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic	
	Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3,	
	H336	
EC number: 921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, 2.5-<10%	
Reg.nr.: 01-2119475514-35	<5% n-hexane	
	⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic	
	Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3,	
	H336	
EC number: 931-254-9	Hydrocarbons, C6, isoalkanes, <5% n-hexane	2.5-<10%
Reg.nr.: 01-2119484651-34	⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic	
	Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3,	
	H336	
CAS: 110-54-3	n-hexane	0.25-<1%
EINECS: 203-777-6	⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361f; STOT RE 2,	
Reg.nr.: 01-2119480412-44	H373; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411;	
	⚠ Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 110-82-7	cyclohexane	0.25-<1%
EINECS: 203-806-2	⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic	
Reg.nr.: 01-2119463273-41	Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2,	
	H315; STOT SE 3, H336	

· **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** Supply fresh air.
- **After skin contact**  
Clean with water and soap. If possible, also wash with polyethylene glycol 400.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

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- **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>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Keep away from ignition sources.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
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.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in a cool location.

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- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Protect from heat and direct sunlight.
- **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 critical values that require monitoring at the workplace:**

**108-88-3 toluene**

WEL Short-term value: 384 mg/m<sup>3</sup>, 100 ppm

Long-term value: 191 mg/m<sup>3</sup>, 50 ppm

Sk

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

WEL Long-term value: 72 mg/m<sup>3</sup>, 20 ppm

**110-82-7 cyclohexane**

WEL Short-term value: 1050 mg/m<sup>3</sup>, 300 ppm

Long-term value: 350 mg/m<sup>3</sup>, 100 ppm

- **DNELs**

**108-88-3 toluene**

Oral DNEL 8.13 mg/kg/day (consumer (long-term))

Dermal DNEL 226 mg/kg/day (consumer (long-term))

384 mg/kg/day (workwr (long-term))

Inhalative DNEL 226 mg/m<sup>3</sup> (consumer (short-term))

56.5 mg/m<sup>3</sup> (consumer (long-term))

343 mg/m<sup>3</sup> (workers (short-term))

192 mg/m<sup>3</sup> (workwr (long-term))

**Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane**

Oral DNEL 1301 mg/kg/day (consumer (long-term))

Dermal DNEL 1377 mg/kg/day (consumer (long-term))

13964 mg/kg/day (workwr (long-term))

Inhalative DNEL 1131 mg/m<sup>3</sup> (consumer (long-term))

5306 mg/m<sup>3</sup> (workwr (long-term))

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Oral DNEL 149 mg/kg/day (consumer (long-term))

Dermal DNEL 149 mg/kg/day (consumer (long-term))

300 mg/kg/day (workwr (long-term))

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Inhalative DNEL 477 mg/m<sup>3</sup> (consumer (long-term))  
2085 mg/m<sup>3</sup> (worker (long-term))

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Oral DNEL 699 mg/kg/day (consumer (long-term))

Dermal DNEL 699 mg/kg/day (consumer (long-term))  
773 mg/kg/day (worker (long-term))

Inhalative DNEL 608 mg/m<sup>3</sup> (consumer (long-term))  
2035 mg/m<sup>3</sup> (worker (long-term))

**Hydrocarbons, C6, isoalkanes, <5% n-hexane**

Oral DNEL 1301 mg/kg/day (consumer (long-term))

Dermal DNEL 1377 mg/kg/day (consumer (long-term))  
13964 mg/kg/day (worker (long-term))

Inhalative DNEL 1137 mg/m<sup>3</sup> (consumer (long-term))  
5306 mg/m<sup>3</sup> (worker (long-term))

· **PNECs**

**108-88-3 toluene**

PNEC 0.68 mg/l (freshwater)  
13.61 mg/l (STP)

PNEC 2.89 mg/kg (soil)  
16.39 mg/kg (sediment (freshwater))

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

· **8.2 Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

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 skin.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

· **Recommended filter device for short term use:** Combination filter A-P2

· **Protection of hands:**



Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.

· **Material of gloves**

Fluorocarbon rubber (Viton)

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*Recommended thickness of the material:  $\geq 0.7$  mm*

*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.*

**· 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:** Beige

**· Smell:** Characteristic

**· Odour threshold:** Not determined.

**· pH-value:** Not determined.

**· Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** 60°C

**· Flash point:** -25°C

**· Inflammability (solid, gaseous)** Not applicable.

**· Ignition temperature:** 246°C

**· Decomposition temperature:** Not determined.

**· Self-inflammability:** Product is not selfigniting.

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

**· Critical values for explosion:**

**Lower:** 1,0Vol %

**Upper:** 7,0Vol %

**· Steam pressure at 20°C:** 29hPa

**· Density at 20°C** 0,85g/cm<sup>3</sup> (EN ISO 2811-1)

**· Relative density** Not determined.

**· Vapour density** Not determined.

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- **Evaporation rate** *Not determined.*
- **Solubility in / Miscibility with Water:** *Not miscible or difficult to mix.*
- **Partition coefficient: n-octanol/water:** *Not determined.*
- **Viscosity:**
  - dynamic at 20°C: 3000mPas (ISO 2555)*
  - kinematic at 40°C: 100mm<sup>2</sup>/s*
- **Solvent content:**
  - Organic solvents: 56,0%*
  - Water: 0,0%*
  - VOC 56,0%*
  - 56.00 %*
- **Solids content:** *44,0% (DIN EN 827.8.2)*
- **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 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 that are relevant for classification:**

**108-88-3 toluene**

- Oral LD50 >5000 mg/kg (rat)*
- Dermal LD50 >5000 mg/kg (rabbit)*
- Inhalative LC50/4h 31 mg/l (rat)*

**Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane**

- Oral LD50 >5000 mg/kg (rat) (OECD 401)*
- Dermal LD50 >2000 mg/kg (rabbit) (OECD 402)*
- Inhalative LC50/4h >20 mg/l (rat) (OECD 403)*

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

- Oral LD50 >2920 mg/kg (rabbit) (OECD 402)*

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Dermal LD50 >5840 mg/kg (rat) (OECD 401)

Inhalative LC50/4h >23.3 mg/l (rat) (OECD 403)

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Oral LD50 >5000 mg/kg (rat) (OECD 401)

Dermal LD50 >2000 mg/kg (rabbit) (OECD 402)

Inhalative LC50/4h >20 mg/l (rat) (OECD 403)

**Hydrocarbons, C6, isoalkanes, <5% n-hexane**

Oral LD50 >5000 mg/kg (rat) (OECD 401)

Dermal LD50 >2000 mg/kg (rabbit) (OECD 402)

Inhalative LC50/4h >20 mg/l (rat) (OECD 403)

**110-82-7 cyclohexane**

Oral LD50 12705 mg/kg (rat)

Inhalative LC50/4h 1548 mg/l (rabbit)

- **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** Based on available data, the classification criteria are not met.
- **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**  
Suspected of damaging the unborn child.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:**

**108-88-3 toluene**

NOEC/16h 29 mg/l (*Pseudomonas putida*)

LC50/96h 24 mg/l (*Oncorhynchus mykiss*)

EC50/48h 11.5 mg/l (*Daphnia magna*)

IC50/72h 12 mg/l (a05)

**Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane**

ErL50(72h) 55 mg/l (a05)

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EL50/48 h 3 mg/l (*Daphnia magna*)  
LL50/96 h 12 mg/l (*Oncorhynchus mykiss*)

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

EL50/48 h 3 mg/l (*Daphnia magna*)  
EL50/72 h 10-30 mg/l (a05)  
LL50/96 h 13.4 mg/l (*Oncorhynchus mykiss*)

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

EL50/48 h 3 mg/l (*Daphnia magna*)  
EL50/72 h 30 mg/l (a05)  
LL50/96 h 11.4 mg/l (*Oncorhynchus mykiss*)

**Hydrocarbons, C6, isoalkanes, <5% n-hexane**

LC50/48h 3.87 mg/l (*Daphnia magna*)  
>1 mg/l (*Oryzias latipes*)

ErL50(72h) 55 mg/l (a05)

- **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:**

· **Remark:** Toxic for fish

· **Additional ecological information:**

· **General notes:**

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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

· **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.

Must be specially treated adhering to official regulations.

· **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

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

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA**
- **14.2 UN proper shipping name**
- **ADR**
- **IMDG**
- **IATA**
- **14.3 Transport hazard class(es)**
- **ADR, IMDG**

UN1133

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS

ADHESIVES (Hydrocarbons, C6-C7, isoalkanes, cyclics, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), MARINE POLLUTANT ADHESIVES



- **Class**
- **Label**

3 Flammable liquids.  
3

- **IATA**



- **Class**
- **Label**

3 Flammable liquids.  
3

- **14.4 Packing group**
- **ADR, IMDG, IATA**

III

- **14.5 Environmental hazards:**

Product contains environmentally hazardous substances: cyclohexane

- **Marine pollutant:**

nein  
Symbol (fish and tree)

- **Special marking (ADR):**

Symbol (fish and tree)

- **14.6 Special precautions for user**

Warning: Flammable liquids.

- **Kemler Number:**

-

- **EMS Number:**

F-E,S-D

- **Stowage Category**

A

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- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:**

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- **ADR**
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
- Maximum net quantity per inner packaging: 30 ml*
- Maximum net quantity per outer packaging: 1000 ml*
- **Transport category** 3
- **Tunnel restriction code** E

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- **IMDG**
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
- Maximum net quantity per inner packaging: 30 ml*
- Maximum net quantity per outer packaging: 1000 ml*
- **UN "Model Regulation":** UN 1133 ADHESIVES, 3, III, 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, 48, 57
- **National regulations**
- **VOC:**
- VOC (EU) 476.0 g/l*
- **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.*

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*H304 May be fatal if swallowed and enters airways.*

*H315 Causes skin irritation.*

*H336 May cause drowsiness or dizziness.*

*H361d Suspected of damaging the unborn child.*

*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.*

**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)*

*VOC: Volatile Organic Compounds (USA, EU)*

*MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)*

*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*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Repr. 2: Reproductive toxicity – Category 2*

*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*