

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

Printing date 07.11.2012

Revision: 25.10.2012

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

- **1.1 Product identifier**
- **Trade name** LP305/98
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation** Manual cleaning of boards.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Riepe GmbH & Co. KG
Theodor Rosenbaum Str. 28-30
D-32257 Bünde
Tel.: +49(0)5223-60990
Fax: +49(0)5223-63959
email: rene@riepe.eu
- **Informing department:** Mr. Riepe +49(0) 5223-60990
- **1.4 Emergency telephone number:**
Poison Control Center, Mainz
Tel. 00 49 / 61 31 / 19 240

* SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
STOT SE 3 H336 May cause drowsiness or dizziness.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Xn; Harmful
R65: Harmful: may cause lung damage if swallowed.
Xi; Irritant
R38: Irritating to skin.
F; Highly flammable
R11: Highly flammable.
N; Dangerous for the environment
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67: Vapours may cause drowsiness and dizziness.
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- **2.2 Label elements**
- **Labelling according to EU guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

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- Code letter and hazard designation of product:

Xn Harmful
 F Highly flammable
 N Dangerous for the environment

- Hazard-determining components of labelling:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

- Risk phrases:

11 Highly flammable.
 38 Irritating to skin.
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 65 Harmful: may cause lung damage if swallowed.
 67 Vapours may cause drowsiness and dizziness.

- Safety phrases:

7/9 Keep container tightly closed and in a well-ventilated place.
 16 Keep away from sources of ignition - No smoking.
 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 33 Take precautionary measures against static discharges.
 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**- Description:** Mixture of the substances listed below with harmless additions**- Dangerous components:**

CAS: 64742-49-0 EC number: 920-750-0	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics Xn R65; F R11; N R51/53 R66-67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	50-100%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	ethanol F R11 Flam. Liq. 2, H225; Eye Irrit. 2, H319	25-50%

- Additional information

For the wording of the listed risk phrases refer to section 16.

The component naphtha (CAS 64742-49-0) contents less than 0,1 % benzene. A classification and labelling as carcinogen is not required (Nota P, Annex I, Directive 67/548/EEC).

SECTION 4: First aid measures

- 4.1 Description of first aid measures**- General advice:** Instantly remove any clothing soiled by the product.

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- After inhalation

Provide fresh-air circulation. If symptoms continue, consult a doctor. In case of respiratory failure or breathing irregularities, commence resuscitation or oxygen inhalation and immediately consult a doctor. In case of unconsciousness, place und transport the patient in a recovery position.

- After skin contact

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

- After eye contact Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- After swallowing Do not induce vomiting; instantly call for medical help.

- 4.2 Most important symptoms and effects, both acute and delayed

Headaches; imbalances; nausea; anesthesia; dryness of skin.

- Information for doctor

Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration. Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.

- 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**

CO₂, extinguishing powder 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

Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise. Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance.

Avoid contact with combustible substances

- 5.3 Advice for firefighters**- Protective equipment:**

See section 8.

Wear full protective suit with self-contained breathing apparatus.

- Additional information Endangered containers in the surrounding area should be cooled with a water-hose.

* SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment and keep unprotected persons away.

Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.

- 6.2 Environmental precautions:

Prevent material from reaching sewage system, holes and cellars.

Inform respective authorities in case product reaches water 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 of contaminated material as waste according to item 13.

Ensure adequate ventilation.

- 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

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SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Keep containers tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

Prevent formation of aerosols.

- 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

Protect against direct sunlight, other sources of heat and ignition.

Keep containers tightly closed. Store in cool, dry conditions.

- Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Store in cool location.

- Information about storage in one common storage facility: Store away from oxidizing agents.

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

- Storage class 3 (VCI - Konzept, 2007)

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

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems:

Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.

- 8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (50-100%)

TWA (8H) ()	Long-term value: 1000 mg/m ³ RCP Aliphatic dearom. solvents
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64-17-5 ethanol (25-50%)

WEL ()	Long-term value: 1920 mg/m ³ , 1000 ppm
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- 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 food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the skin.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- Recommended filter device for short term use:

Filter AX

Combination filter A-P2

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- Protection of hands:

Protective gloves.
Solvent resistant gloves

- 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.

- Penetration time of glove material

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

- Eye protection: Tightly sealed safety glasses.**- Body protection:**

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties

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

Form:	Fluid
Colour:	Colourless
Smell:	Characteristic

- Change in condition**Melting point/Melting range:** Not determined**Boiling point/Boiling range:** 78°C**- Flash point:** ca. 1°C**- Self-inflammability:** Product is not selfigniting.**- Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.**- Critical values for explosion:**

Lower:	0.7 Vol %
Upper:	15 Vol %
(Higher and lower level for individual components)	

- Vapour pressure at 20°C: 57 hPa**- Density at 20°C** 0.753 g/cm³**- Solubility in / Miscibility with****Water:** Not miscible or difficult to mix**- 9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity**- 10.2 Chemical stability****- Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

To avoid: warmth, flames, sparks

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- **10.3 Possibility of hazardous reactions** Violent reactions with strong oxidizing agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong oxidizing agents.
- **10.6 Hazardous decomposition products:** Formation of carbon monoxide and carbon dioxide in case of fire.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Oral	LD50	> 2000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
Inhalative	LC 50 / 4 h	> 20 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:** Irritant for skin and mucous membranes.

- **on the eye:** No irritant effect.

- **Sensitization:** No sensitizing effect known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability**

Inherently biodegradable. .

Oxidises rapidly by photochemical reaction in air.

- **12.3 Bioaccumulative potential**

Naphtha: floats on water surfaces. Adsorbs to soil and has low mobility. Evaporates within one day from water or soil. Has the potential to bioaccumulate.

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

- **Ecotoxicological effects:**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Also poisonous for fish and plankton in water bodies.

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.

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

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SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

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

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Contaminated water to separate by separator and dispose off in line with administrative regulations.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- Uncleaned packagings: Disposal must be made according to official regulations.

- Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

Caution: Leftovers in the containers may cause the risk of explosion.

Uncleaned containers should not be perforated, cut or welded.

* SECTION 14: Transport information

- 14.1 UN-Number	
- ADR, IMDG, IATA	UN1993
- 14.2 UN proper shipping name	
- ADR	1993 FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA), special provision 640D
- IMDG	FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA), MARINE POLLUTANT
- IATA	FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA)
- 14.3 Transport hazard class(es)	
- ADR	
- Class	3 (F1) Flammable liquids.
- Label	3
- IMDG, IATA	
- Class	3 Flammable liquids.
- Label	3
- 14.4 Packing group	
- ADR, IMDG, IATA	II
- 14.5 Environmental hazards:	
- Marine pollutant:	Yes Symbol (fish and tree)
- Special marking (ADR):	Symbol (fish and tree)
- 14.6 Special precautions for user	Warning: Flammable liquids.
- Kemler Number:	33

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- EMS Number:	F-E, <u>S-E</u>
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
- UN "Model Regulation":	UN1993, FLAMMABLE LIQUID, N.O.S., ENVIRONMENTALLY HAZARDOUS, 3, II

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations
- Information about limitation of use: Employment restrictions concerning young persons must be observed.
- Technical instructions (air):

Class	Share in %
NK	50-100

- Water hazard class:
Water hazard class 1 (self assessment according to German VwVwS (Regulations for water-hazardous substances): slightly hazardous for water.
- 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
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
R11 Highly flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
- Department issuing data specification sheet: see item 1: Informing departement
- 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 Organization
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 Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

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

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