

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2022

Version number 6 (replaces version 5)

Revision: 16.12.2022

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

- **1.1 Product identifier**
- **Trade name:** **COELAN Thinner**
- **UFI:** 1UJ6-R0CF-T00M-6EHN
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - Identified use: intended for professional use only!
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - KEMPER SYSTEM LTD
  - Kemper House
  - 30 Kingsland Grange
  - Warrington
  - WA1 4RW
  - www.kempersystem.co.uk
  - enquiries@kempersystem.co.uk
  - phone: +44 (0)1925 445532
  - fax: +44 (0)1925 575096
- **Further information obtainable from:** research & development
- **1.4 Emergency telephone number:**
  - Medical Emergency information in case of poisoning:
  - Poison Information Center Mainz - 24 h - Phone: +49 (0) 6131 19240
  - (advisory service in German or English language)

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
  - Flam. Liq. 3 H226 Flammable liquid and vapour.
  - Acute Tox. 4 H312 Harmful in contact with skin.
  - Acute Tox. 4 H332 Harmful if inhaled.
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Irrit. 2 H319 Causes serious eye irritation.
  - STOT SE 3 H335 May cause respiratory irritation.
  - STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.
  - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

### - 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms**

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



GHS02 GHS07 GHS08

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

Danger

Reaktionsmasse von Ethylbenzol und Xylol

- H226 Flammable liquid and vapour.
- H312+H332 Harmful in contact with skin or if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H373 May cause damage to the hearing organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**

Not applicable.

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- vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

**- 3.2 Mixtures**

**- Description:** Mixture: consisting of the following components.

**- Dangerous components:**

EC number: 905-588-0 Reg.nr.: 01-2119486136-34	Reaktionsmasse von Ethylbenzol und Xylol Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	50-100%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	2.5-10%

**- 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:**

Immediately remove any clothing soiled by the product.  
 Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
 Do not leave affected persons unattended.  
 Personal protection for the First Aider.  
 Take affected persons out of danger area and lay down.

**- After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
 In case of unconsciousness place patient stably in side position for transportation.

**- After skin contact:**

Supply fresh air; consult doctor in case of complaints.  
 Immediately wash with water and soap and rinse thoroughly.  
 Seek medical treatment in case of complaints.

**- After eye contact:**

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

**- After swallowing:**

**- 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>, 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.  
 Nitrogen oxides (NO<sub>x</sub>)  
 Carbon monoxide (CO)

**- 5.3 Advice for firefighters**

**- Protective equipment:**

Do not inhale explosion gases or combustion gases.

**- 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**

Wear protective equipment. Keep unprotected persons away.  
 Avoid contact with skin and eyes  
 Ensure adequate ventilation

**- 6.2 Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).  
 Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to enter sewers/ surface or ground water.

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**- 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.

**- 6.4 Reference to other sections**

Do not flush with water or aqueous cleansing agents  
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**

Store in cool, dry place in tightly closed receptacles.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

**- 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:**

Store only in the original receptacle.

**- Information about storage in one common storage facility:**

Store away from foodstuffs.

**- Further information about storage conditions:**

Store in dry conditions.  
Protect from frost.  
Keep container tightly sealed.  
Recommended storage temperature: 5-30 °C

**- Storage class:**

3

**- 7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**- 8.1 Control parameters**

**- Ingredients with limit values that require monitoring at the workplace:**

**Reaktionsmasse von Ethylbenzol und Xylol**

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
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**123-86-4 n-butyl acetate**

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
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**- Regulatory information**

WEL: EH40/2020

**- DNELs**

**Reaktionsmasse von Ethylbenzol und Xylol**

Inhalative	Acute - systemic effects	221 mg/m <sup>3</sup> (Worker) (GESTIS DNEL List (June 2018))
	Long term - systemic effects	221 mg/m <sup>3</sup> (Worker) (GESTIS DNEL List (June 2018))

**- Ingredients with biological limit values:**

**Reaktionsmasse von Ethylbenzol und Xylol**

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

The lists valid during the making were used as basis.

**- 8.2 Exposure controls**

**- Appropriate engineering controls**

No further data; see item 7.

**- Individual protection measures, such as 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.  
Avoid contact with the eyes and skin.

**- Respiratory protection:**

When used properly and under normal conditions, breathing protection is not required.

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Use suitable respiratory protective device in case of insufficient ventilation.  
Filter A/P2  
Respiratory protection - Gas filters and combination filters according to (DIN EN 141)

**- Hand protection**



Protective gloves

Check protective gloves prior to each use for their proper condition.  
Only use chemical-protective gloves with CE-labelling of category III.  
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  
After use of gloves apply skin-cleaning agents and skin cosmetics.

**- Material of gloves**

Recommended materials:  
Butyl rubber, BR  
Recommended thickness of the material:  $\geq 0.5$  mm  
Penetration time (min.):  $< 480$

**- Penetration time of glove material**

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.  
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**- As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.1$  mm  
Penetration time (min.):  $< 10$

**- Eye/face protection**



Tightly sealed goggles

**- Body protection:**

Protective goggles and facial protection - Classification according to EN 166  
protective clothing (EN 13034)

## SECTION 9: Physical and chemical properties

**- 9.1 Information on basic physical and chemical properties**

**- General Information**

<b>- Colour:</b>	Colourless
<b>- Odour:</b>	Aromatic
<b>- Odour threshold:</b>	Not determined.
<b>- Melting point/freezing point:</b>	Undetermined.
<b>- Boiling point or initial boiling point and boiling range</b>	143 °C
<b>- Flammability</b>	Not applicable.
<b>- Lower and upper explosion limit</b>	
<b>- Lower:</b>	1 Vol %
<b>- Upper:</b>	7.8 Vol %
<b>- Flash point:</b>	26 °C
<b>- Ignition temperature:</b>	ca. 420 °C
<b>- Decomposition temperature:</b>	Not determined.
<b>- pH</b>	Not determined.
<b>- Viscosity:</b>	
<b>- Kinematic viscosity</b>	Not determined.
<b>- Dynamic:</b>	Not determined.
<b>- Solubility</b>	
<b>- water:</b>	Not miscible or difficult to mix.
<b>- Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>- Density and/or relative density</b>	
<b>- Density at 20 °C:</b>	0.87 g/cm <sup>3</sup>
<b>- Relative density</b>	Not determined.
<b>- Vapour density</b>	Not determined.

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- **9.2 Other information**
- **Appearance:**
- **Form:** Fluid
- **Important information on protection of health and environment, and on safety.**
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Solvent separation test:**
- **VOC (EC)** 100.00 %
- **Change in condition**
- **Evaporation rate** Not determined.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Flammable liquid and vapour.
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

### 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.

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- **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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful in contact with skin or if inhaled.

#### - LD/LC50 values relevant for classification:

##### Reaktionsmasse von Ethylbenzol und Xylol

Oral	LD50	5,251 mg/kg (mouse) 4,300 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	21.7 mg/l (rat)

##### 123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	14,112 mg/kg (rat)
Inhalative	LC50/4 h	23.4 mg/l (rat) (OECD Guideline 403 (Acute Inhalation Toxicity))

- **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.
- **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 respiratory irritation.
- **STOT-repeated exposure** May cause damage to the hearing organs through prolonged or repeated exposure.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

#### - Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

#### - 12.1 Toxicity

##### - Aquatic toxicity:

##### Reaktionsmasse von Ethylbenzol und Xylol

LC50/96 h	26.7 mg/l (Pimephales promelas)
LC50	2.6 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)
EC50	2.2 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)
IC50	2.2 mg/l (ALGAE)
NOEC	157 mg/l (Belebschlamm) (OECD 209)
	1.17 mg/l (Ceriodaphnia dubia) (7d; US EPA 600/4-91/003)
	>1.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (56d)
IC50	1 mg/l (Daphnia magna) (24h; OECD 202)

##### 123-86-4 n-butyl acetate

LC50/96 h	18 mg/l (PISCIS - Fisch) (OECD 203 (96 hr))
NOEC	200 mg/l (DESMODESMUS SUBSPICATUS)
EC50	44 mg/l (daphnia) (OECD 202 (48 hr))
EC50	>100 mg/l (ALGAE)
	647.7 mg/l (DESMODESMUS SUBSPICATUS)
EC50	72.8 mg/l (daphnia)
IC50	356 mg/l (Tetrahymena)

- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

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- 12.7 Other adverse effects
- 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.

## 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.  
Disposal according to official regulations

### - European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances
17 02 03	plastic

- Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

## SECTION 14: Transport information

- 14.1 UN number or ID number
- ADR, IMDG, IATA

UN1993

- 14.2 UN proper shipping name
- ADR
- IMDG, IATA

1993 FLAMMABLE LIQUID, N.O.S. (XYLENES, BUTYL ACETATES)  
FLAMMABLE LIQUID, N.O.S. (XYLENES, BUTYL ACETATES)

- 14.3 Transport hazard class(es)
- ADR



- Class
  - Label
- 3 (F1) Flammable liquids.  
3

- IMDG, IATA



- Class
  - Label
- 3 Flammable liquids.  
3

- 14.4 Packing group
- ADR, IMDG, IATA

III

- 14.5 Environmental hazards:
- Marine pollutant:

No

- 14.6 Special precautions for user
- Hazard identification number (Kemler code):
- EMS Number:
- Stowage Category

Warning: Flammable liquids.  
30  
F-E,S-E  
A

- 14.7 Maritime transport in bulk according to IMO instruments
- Not applicable.

- Transport/Additional information:

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

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- Tunnel restriction code	D/E
- 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 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES, BUTYL ACETATES), 3, III

### 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 P5c FLAMMABLE LIQUIDS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

##### - DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

##### - REGULATION (EU) 2019/1148

##### - Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

##### - Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

##### - Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

##### - Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- 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.

The safety data sheet issued is also compliant with the regulation Annex I of Regulation (EU) no. 453/2010 and Annex II of Regulation (EU) no. 2020/878.

#### - Relevant phrases

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
EUH066 Repeated exposure may cause skin dryness or cracking.

#### - Department issuing SDS:

research &amp; development

#### - Contact:

research &amp; development

#### - Date of previous version:

25.05.2021

#### - Version number of previous version:

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#### - Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)  
DNEL: Derived No-Effect Level (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
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  
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

**- Sources**

- [www.echa.europa.eu](http://www.echa.europa.eu)

- [www.baua.de](http://www.baua.de)

IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance:

- [www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp](http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp)

- [www.dguv.de/ifa/gestis/gestis-dnel-liste](http://www.dguv.de/ifa/gestis/gestis-dnel-liste)

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