





**Safety Data Sheet**  
according to 29 CFR 1910.1200(g)



**ESKANOL PU 25 COMP. A**

Revision date: 23.06.2017

Product code: 00359-1328\_US

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical advice/attention if you feel unwell.

**Hazards not otherwise classified**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.  
Vapours may form explosive mixture with air.

**3. Composition/information on ingredients**

**Mixtures**

**Chemical characterization**

Mixture containing substances listed in section 3 with additives

**Hazardous components**

CAS No	Components	Quantity
1330-20-7	Xylene (mixed isomers)	< 15 %
100-41-4	Ethyl benzene	< 5 %

**4. First-aid measures**

**Description of first aid measures**

**General information**

Remove contaminated soaked clothing immediately.  
Take away from danger area and lay down affected person.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
Keep injured person warm and calm.  
If patient is not breathing, apply artificial respiration.  
Seek medical treatment immediately.

**After contact with skin**

In case of contact with skin wash off immediately with soap and water.  
Do not use solvents or thinners.  
Consult a doctor if skin irritation persists.

**After contact with eyes**

Remove contact lens.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting.  
Rinse mouth.  
Never give anything by mouth to an unconscious person.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

**Most important symptoms and effects, both acute and delayed**

Causes skin irritation.  
Causes serious eye irritation.  
May cause damage to organs through prolonged or repeated exposure.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.



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### Indication of any immediate medical attention and special treatment needed

Treat symptoms.

## 5. Fire-fighting measures

### Extinguishing media

#### **Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

#### **Unsuitable extinguishing media**

Full water jet.

### Specific hazards arising from the chemical

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

Traces of Hydrogen cyanide (HCN)

### Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus and protective suit.

### Additional information

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator.

Keep away sources of ignition.

Use only explosion-proof equipment.

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

### Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

Clean contaminated surface thoroughly.

### Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal look up chapter 13.

## 7. Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

Do not wear contact lenses when handling the product.

Keep container tightly closed.

Vapours are heavier than air and spread along ground.

Keep a good ventilation and air-exhaust at the place of work.

Do not empty container under pressure. No pressure tank!



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### Advice on protection against fire and explosion

- Keep away from heat and sources of ignition.
- Do not smoke.
- Take precautionary measures against static discharges.
- Use only explosion-proof equipment.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

- Keep container tightly closed in a dry, cool and well-ventilated place.
- Pay attention to anti-explosion rules.
- Take precautionary measures against static discharges.

#### Advice on storage compatibility

- Incompatible with:
  - strong oxidizing agents
  - strong acids and strong bases

#### Further information on storage conditions

- Keep away from food, drink and animal feeding stuffs.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
100-41-4	Ethyl benzene	100	435		TWA (8 h)	REL
		100	435		TWA (8 h)	REL
		20			TWA (8 h)	ACGIH-2016
		125	545		STEL (15 min)	REL
1330-20-7	Xylene: mixed isomers	100			TWA (8 h)	ACGIH-2016
		150			STEL (15 min)	ACGIH-2016
1330-20-7	Xylenes (o-,m-,p-isomers)	100	435		TWA (8 h)	REL

#### Biological Exposure Indices (BEI-ACGIH)

CAS No.	Substance	Determinant	Value	Test material	Sampling time
100-41-4	ETHYL BENZENE	Sum of mandelic acid and phenylglyoxylic acid	0.15 g/g	urine	End of shift
1330-20-7	XYLENES (technical or commercial grade)	Methylhippuric acids (creatinine)	1.5 g/g	urine	End of shift

### Exposure controls

#### Appropriate engineering controls

- Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

- Do not inhale vapours.
- Wash hands before breaks and immediately after handling the product.
- When using do not eat, drink or smoke.
- Avoid contact with skin, eyes and clothing.
- Remove and wash contaminated clothes before re-use.



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### Eye/face protection

Tightly fitting goggles.

### Hand protection

Protective gloves resistant to chemicals made off viton , Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 60 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

### Skin protection

Long sleeved clothing (EN 368).

### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Yellowish
Odor:	Solvent-like

### Test method

#### Changes in the physical state

Initial boiling point and boiling range:	approx. 139 °C
Flash point:	approx. 32 °C DIN 53213
Lower explosion limits:	1,5 vol. % *)
Upper explosion limits:	10,8 vol. % *)
Ignition temperature:	approx. 315 °C (Calculated)
Vapor pressure: (at 20 °C)	n.d.
Density (at 20 °C):	approx. 1,05 g/cm <sup>3</sup> DIN 53217
Water solubility:	Partially miscible
Viscosity / dynamic: (at 25 °C)	approx. 1200 mPa·s ISO 3219
Viscosity / kinematic: (at 40 °C)	> 20,5 mm <sup>2</sup> /s
Solvent content:	< 35 %

### Other information

\*) 2-Methoxy-1-methylethyl acetate

## 10. Stability and reactivity

### Reactivity

No decomposition if stored and applied as directed.

### Chemical stability

Stability: Stable

Stable under normal conditions.

### Possibility of hazardous reactions



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Hazardous reactions: Will not occur

Reactions with acids, alkalies and oxidizing agents.

### Conditions to avoid

To avoid thermal decomposition, do not overheat.  
Vapour/air mixtures are explosive at intensive warming.  
Heating can release vapours which can be ignited.

### Incompatible materials

Strong oxidizing agents.  
Strong acids and strong bases

### Hazardous decomposition products

Fire may produce:  
Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).  
Traces of Hydrogen cyanide (HCN)

## 11. Toxicological information

### Information on toxicological effects

#### **Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

#### **Acute toxicity**

Based on available data, the classification criteria are not met.  
No toxicological data available.

#### **Irritation and corrosivity**

Causes skin irritation  
Causes serious eye irritation

#### **Sensitizing effects**

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

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

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

#### **Specific target organ toxicity (STOT) - single exposure**

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

#### **Specific target organ toxicity (STOT) - repeated exposure**

May cause damage to organs through prolonged or repeated exposure (Xylene (mixed isomers))

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Xylenes (CAS 1330-20-7) is listed in group 3. Ethylbenzene (CAS 100-41-4) is listed in group 2B.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

#### **Aspiration hazard**

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

#### **Additional information on tests**

This product is classified in accordance with the GHS regulations.

### Practical experience

#### **Other observations**

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.  
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.  
Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.  
Attention. Beware, danger of aspiration!



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**12. Ecological information**

**Ecotoxicity**

Ecological data are not available.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

Hazardous water pollutant.

**Further information**

Do not flush into surface water or sanitary sewer system.

**13. Disposal considerations**

**Waste treatment methods**

**Advice on disposal**

Where possible recycling is preferred to disposal.  
Can be incinerated, when in compliance with local regulations.

**Contaminated packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.  
Packaging that cannot be cleaned should be disposed of like the product.  
Empty containers should be taken for local recycling, recovery or waste disposal.

**14. Transport information**

**US DOT 49 CFR 172.101**

<b><u>UN/ID number:</u></b>	UN 1866
<b><u>Proper shipping name:</u></b>	Resin solution
<b><u>Transport hazard class(es):</u></b>	3
<b><u>Packing group:</u></b>	III
Hazard label:	3

**Marine transport (IMDG)**

<b><u>UN number:</u></b>	UN 1866
<b><u>UN proper shipping name:</u></b>	Resin solution
<b><u>Transport hazard class(es):</u></b>	3
<b><u>Packing group:</u></b>	III
Hazard label:	3



Marine pollutant:	No
Limited quantity:	5 L / 30 kg
Excepted quantity:	E1
EmS:	F-E, S-E



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**Air transport (ICAO-TI/IATA-DGR)**

<b>UN number:</b>	UN 1866
<b>UN proper shipping name:</b>	Resin solution
<b>Transport hazard class(es):</b>	3
<b>Packing group:</b>	III
Hazard label:	3



Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

The transport takes place only in approved and appropriate packaging.

**15. Regulatory information**

**U.S. Regulations**

**National Inventory TSCA**

All of the components are listed on the TSCA inventory.

**National regulatory information**

SARA Section 304 CERCLA:

Xylene (mixed isomers) (1330-20-7): Reportable quantity = 100 (45.4) lbs. (kg)

Ethylbenzene (100-41-4): Reportable quantity = 1,000 (454) lbs. (kg)

SARA Section 311/312 Hazards:

Xylene (mixed isomers) (1330-20-7): Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

Ethylbenzene (100-41-4): Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA Section 313 Toxic release inventory:

Xylene (mixed isomers) (1330-20-7): De minimis limit = 1.0 %, Reportable threshold = Standard

Ethylbenzene (100-41-4): De minimis limit = 0.1 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

Xylene (mixed isomers) (1330-20-7), Ethylbenzene (100-41-4)

**State Regulations**

**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

WARNING: This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm: Ethylbenzene (cancer).

**16. Other information**

**Hazardous Materials Information Label (HMIS)**



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Health: 2  
Flammability: 2  
Physical Hazard: 0

### NFPA Hazard Ratings

Health: 2  
Flammability: 2  
Reactivity: 0  
Unique Hazard:



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### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization  
DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative  
LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

### Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.  
The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.  
The delivery specifications are contained in the corresponding product sheet.  
This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.  
(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*