

Rudolf Hensel GmbH  
21039 Börnsen

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

### 1.1 Product identifier

**HENSOTOP SB**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1 Relevant uses

Top coat

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

**Company** Rudolf Hensel GmbH  
Lauenburger Landstr. 11  
21039 Börnsen / GERMANY  
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#### Address enquiries to

**Technical information** [info@rudolf-hensel.de](mailto:info@rudolf-hensel.de)  
**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

### 1.4 Emergency telephone number

**Company** +49 (0)40-72 10 62 10 (7:00 - 17:00) 0172 4115390 (17:00 - 07:00)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Flam. Liq. 3: H226 Flammable liquid and vapour.  
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 organs through prolonged or repeated exposure.

### 2.2 Label elements

#### Hazard pictograms



#### Signal word

WARNING

#### Contains:

Reaction mass of ethylbenzene and xylene

#### Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe vapours / spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P312 Call a POISON CENTER / doctor if you feel unwell.  
P501 Dispose of contents/container in accordance with local/national regulation.  
4,58 % of the mixture consists of ingredient(s) of unknown toxicity.

#### 2004/42/CE

< 500 g/l II A i SB One-pack performance coatings (max. 500 g/l)

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### 2.3 Other hazards

<b>Human health dangers</b>	If swallowed or in the event of vomiting, risk of product entering the lungs.
<b>Environmental hazards</b>	Does not contain any PBT or vPvB substances.
<b>Other hazards</b>	Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### Product-type:

3.2 The product is a mixture.

Range [%]	Substance
15 - 25	Reaction mass of ethylbenzene and xylene EINECS/ELINCS: 905-588-0, Reg-No.: 01-2119488216-32-XXXX, 01-2119486136-34-XXXX GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H312 H332 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - STOT SE 3: H335 - STOT RE 2: H373
5 - <15	2-Methoxy-1-methylethyl acetate CAS: 108-65-6, EINECS/ELINCS: 203-603-9, EU-INDEX: 607-195-00-7, Reg-No.: 01-2119475791-29-XXXX GHS/CLP: Flam. Liq. 3: H226 - STOT SE 3: H336
1 - <5	n-Butyl acetate CAS: 123-86-4, EINECS/ELINCS: 204-658-1, EU-INDEX: 607-025-00-1, Reg-No.: 01-2119485493-29-XXXX GHS/CLP: Flam. Liq. 3: H226 - STOT SE 3: H336

**Comment on component parts** Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Remove the victim into fresh air and keep him calm. In the event of symptoms seek medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

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

Irritant effects  
Vertigo  
Dizziness  
If swallowed or in the event of vomiting, risk of product entering the lungs.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	foam, dry powder, water spray jet, carbon dioxide
<b>Extinguishing media that must not be used</b>	Full water jet.

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## 5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon monoxide (CO)

Sulphur oxides (SO<sub>x</sub>).

## 5.3 Advice for firefighters

Use self-contained breathing apparatus.

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

Cool containers at risk with water spray jet.

## SECTION 6: Accidental release measures

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

Keep away from all sources of ignition.

Ensure adequate ventilation.

Use personal protective equipment.

### 6.2 Environmental precautions

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

### 6.3 Methods and material for containment and cleaning up

Take up mechanically.

Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).

Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Provide good room ventilation even at ground level (vapours are heavier than air).

Provide suitable vacuuming at the processing machines and in the processing area.

Keep away from all sources of ignition - Refrain from smoking.

Take precautionary measures against static discharges.

Vapours can form an explosive mixture with air.

Ignitable mixtures can be formed in the empty container.

Apparates and equipments must be conform in accordance to standard of storage and handling of flammable products.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Provide solvent-resistant and impermeable floor.

Prevent penetration into the ground.

Provide floor with bunding.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Protect from heat/overheating.

Keep in a cool place.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

Substance
2-Methoxy-1-methylethyl acetate
CAS: 108-65-6, EINECS/ELINCS: 203-603-9, EU-INDEX: 607-195-00-7, Reg-No.: 01-2119475791-29-XXXX
Long-term exposure: 50 ppm, 274 mg/m <sup>3</sup> , Sk
Short-term exposure (15-minute): 100 ppm, 548 mg/m <sup>3</sup>
n-Butyl acetate
CAS: 123-86-4, EINECS/ELINCS: 204-658-1, EU-INDEX: 607-025-00-1, Reg-No.: 01-2119485493-29-XXXX
Long-term exposure: 150 ppm, 724 mg/m <sup>3</sup>
Short-term exposure (15-minute): 200 ppm, 966 mg/m <sup>3</sup>
Xylene, mixture of isomers
CAS: 1330-20-7, EINECS/ELINCS: 215-535-7, EU-INDEX: 601-022-00-9, Reg-No.: 01-2119488216-32-XXXX
Long-term exposure: 50 ppm, 220 mg/m <sup>3</sup> , Sk, BMGV
Short-term exposure (15-minute): 100 ppm, 441 mg/m <sup>3</sup>
Ethylbenzene
CAS: 100-41-4, EINECS/ELINCS: 202-849-4, EU-INDEX: 601-023-00-4, Reg-No.: 01-2119489370-35-XXXX
Long-term exposure: 100 ppm, 441 mg/m <sup>3</sup> , Sk
Short-term exposure (15-minute): 125 ppm, 552 mg/m <sup>3</sup>
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
CAS: 14807-96-6, EINECS/ELINCS: 238-877-9
Long-term exposure: 1 mg/m <sup>3</sup> , respirable dust
Barium sulfate
CAS: 7727-43-7, EINECS/ELINCS: 231-784-4
Long-term exposure: 10 mg/m <sup>3</sup> , inhalable dust; respirable dust: 4 mg/m <sup>3</sup>

#### Ingredients with occupational exposure limits to be monitored (EU)

Substance / EC LIMIT VALUES
2-Methoxy-1-methylethyl acetate
CAS: 108-65-6, EINECS/ELINCS: 203-603-9, EU-INDEX: 607-195-00-7, Reg-No.: 01-2119475791-29-XXXX
Eight hours: 50 ppm, 275 mg/m <sup>3</sup> , H
Short-term (15-minute): 100 ppm, 550 mg/m <sup>3</sup>
n-Butyl acetate
CAS: 123-86-4, EINECS/ELINCS: 204-658-1, EU-INDEX: 607-025-00-1, Reg-No.: 01-2119485493-29-XXXX
Eight hours: 50 ppm, 241 mg/m <sup>3</sup>
Short-term (15-minute): 150 ppm, 723 mg/m <sup>3</sup>
Xylene, mixture of isomers
CAS: 1330-20-7, EINECS/ELINCS: 215-535-7, EU-INDEX: 601-022-00-9, Reg-No.: 01-2119488216-32-XXXX
Eight hours: 50 ppm, 221 mg/m <sup>3</sup> , H
Short-term (15-minute): 100 ppm, 442 mg/m <sup>3</sup>
Ethylbenzene
CAS: 100-41-4, EINECS/ELINCS: 202-849-4, EU-INDEX: 601-023-00-4, Reg-No.: 01-2119489370-35-XXXX
Eight hours: 100 ppm, 442 mg/m <sup>3</sup> , H
Short-term (15-minute): 200 ppm, 884 mg/m <sup>3</sup>

DNEL

Substance
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Reaction mass of ethylbenzene and xylene
Industrial, inhalative (vapor), Long-term - systemic effects: 221 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Acute - systemic effects: 442 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Long-term - local effects: 221 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Acute - local effects: 442 mg/m <sup>3</sup> .
Industrial, dermal, Long-term - systemic effects: 212 mg/kg bw/day.
general population, inhalative (vapor), Long-term - systemic effects: 65,3 mg/m <sup>3</sup> .
general population, oral, Long-term - systemic effects: 12,5 mg/kg bw/day.
general population, dermal, Acute - local effects: 125 mg/kg bw/day.
general population, inhalative (vapor), Acute - local effects: 260 mg/m <sup>3</sup> .
general population, inhalative (vapor), Acute - systemic effects: 260 mg/m <sup>3</sup> .
general population, inhalative (vapor), Long-term - local effects: 65,3 mg/m <sup>3</sup> .
n-Butyl acetate, CAS: 123-86-4
Industrial, inhalative (vapor), Acute - local effects: 600 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Long-term - local effects: 300 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Long-term - systemic effects: 300 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Acute - systemic effects: 600 mg/m <sup>3</sup> .
Industrial, dermal, Long-term - systemic effects: 11 mg/kg bw/day.
Industrial, dermal, Acute - systemic effects: 11 mg/kg bw/day.
general population, oral, Acute - systemic effects: 2 mg/kg bw/day.
general population, inhalative (vapor), Acute - systemic effects: 300 mg/m <sup>3</sup> .
general population, inhalative (vapor), Long-term - systemic effects: 35,7 mg/m <sup>3</sup> .
general population, inhalative (vapor), Long-term - local effects: 35,7 mg/m <sup>3</sup> .
general population, dermal, Long-term - systemic effects: 6 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 2 mg/kg bw/day.
general population, inhalative (vapor), Acute - local effects: 300 mg/m <sup>3</sup> .
general population, dermal, Acute - systemic effects: 6 mg/kg bw/day.
2-Methoxy-1-methylethyl acetate, CAS: 108-65-6
Industrial, inhalative, Long-term - systemic effects: 275 mg/m <sup>3</sup> .
Industrial, inhalative, Long-term - local effects: 550 mg/m <sup>3</sup> .
Industrial, dermal, Long-term - systemic effects: 796 mg/kg bw/day.
general population, inhalative, Long-term - local effects: 33 mg/m <sup>3</sup> .
general population, inhalative, Long-term - systemic effects: 33 mg/m <sup>3</sup> .
general population, dermal, Long-term - systemic effects: 320 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 36 mg/kg bw/day.

**PNEC**

Substance
Reaction mass of ethylbenzene and xylene
sediment (seawater), 12,46 mg/kg sediment dw.
sediment (freshwater), 12,46 mg/kg sediment dw.
sewage treatment plants (STP), 6,58 mg/L.
seawater, 0,327 mg/L.
freshwater, 0,327 mg/L.
soil, 2,31 mg/kg soil dw.
n-Butyl acetate, CAS: 123-86-4
sediment (freshwater), 0.981 mg/kg/ dw.
freshwater, 0.18 mg/L (AF= 100).
sewage treatment plants (STP), 35.6 mg/L (AF= 10).
sediment (seawater), 0.098 mg/kg/ dw.
soil, 0.09 mg/kg/ dw.

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seawater, 0.018 mg/L (AF= 1000).
2-Methoxy-1-methylethyl acetate, CAS: 108-65-6
freshwater, 0,635 mg/l.
sewage treatment plants (STP), 100 mg/l.
soil, 0,29 mg/kg.
sediment (seawater), 0,329 mg/kg.
sediment (freshwater), 3,29 mg/kg.
seawater, 0,064 mg/L.

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	For short-term contact: 0,4mm Butyl rubber, >480 min (EN 374-1/-2/-3). 0,4mm Nitrile rubber, >480 min (EN 374-1/-2/-3). In full contact: 0,4mm Viton, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Solvent-resistant protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	none
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	Viscous liquid
Color	various
Odor	characteristic
Odour threshold	not required
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	> 100
Flash point [°C]	35
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	ca. 1 Vol.%
Upper explosion limit	ca. 8 Vol.%
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,20 - 1,30 (20 °C / 68,0 °F)
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	70 - 90 s / 6 mm (ISO 2431:1993) 20°C
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not determined

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.  
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

### 10.4 Conditions to avoid

See SECTION 7  
Strong heating.

### 10.5 Incompatible materials

Strong oxidizing agent.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product
ATE-mix, inhalation (vapour ), > 20 mg/l 4h.
ATE-mix, dermal, > 2000 mg/kg.
ATE-mix, oral, > 2000 mg/kg.
Substance
Reaction mass of ethylbenzene and xylene
LD50, dermal, Rabbit: 12126 mg/kg.
LD50, oral, Rat: 3523 - 4000 mg/kg.
LC50, inhalation (vapour ), Rat: 6350 - 6700 ppm 4h.
n-Butyl acetate, CAS: 123-86-4
LD50, dermal, Rabbit: >14112 mg/kg (OECD 402).
LD50, oral, Rat: 10760 mg/kg (OECD 423).
LC50, inhalative, Rat: 23.4 mg/l (4h) (OECD 403).
2-Methoxy-1-methylethyl acetate, CAS: 108-65-6
LD50, dermal, Rat: > 2000 mg/kg.
LD50, oral, Rat: > 5000 mg/kg.
LC0, inhalative, Rat: > 4345 ppm (6 h).

<b>Serious eye damage/irritation</b>	Irritant Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Calculation method
<b>Skin corrosion/irritation</b>	Irritant Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Calculation method
<b>Respiratory or skin sensitisation</b>	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Specific target organ toxicity — single exposure</b>	May cause respiratory irritation. Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Calculation method
<b>Specific target organ toxicity — repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure. Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Calculation method
<b>Mutagenicity</b>	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Reproduction toxicity</b>	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Carcinogenicity</b>	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Aspiration hazard</b>	Based on the available information, the classification criteria are not fulfilled.
<b>General remarks</b>	none



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## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Reaction mass of ethylbenzene and xylene
LC50, (24h), Daphnia magna: 1 mg/l OECD 202.
LC50, (96h), Oncorhynchus mykiss: 2,6 mg/l OECD 203.
EC50, (72h), Selenastrum capricornutum: 2,2 mg/l OECD 201.
n-Butyl acetate, CAS: 123-86-4
LC50, (96h), Pimephales promelas: 18 mg/l (OECD 203).
EC50, (72h), Desmodesmus subspicatus: 647.7 mg/l.
EC50, (48h), Daphnia magna: 44 mg/l.
IC50, Bacteria: 356 mg/l (40 h).
NOEC, Desmodesmus subspicatus: 200 mg/l.
2-Methoxy-1-methylethyl acetate, CAS: 108-65-6
LC50, (96h), Oncorhynchus mykiss: 134 mg/l (OECD 203).
EC50, (72h), Selenastrum capricornutum: > 1000 mg/l (OECD 201).
EC50, (48h), Daphnia magna: > 500 mg/l.
NOEC, (21d), Daphnia magna: $\geq$ 100 mg/l (OECD 202).
NOEC, Oryzias latipes: 47,5 mg/l (14 d) (OECD 204).
EC10, Bacteria: > 1000 mg/l (0,5 h) (ISO 8192).

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Biological degradability</b>	not determined

### 12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

### 12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

### 12.6 Other adverse effects

None known.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

##### Product

Dispose of as hazardous waste.  
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 080111\*

##### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110\*

### SECTION 14: Transport information

#### 14.1 UN number

Transport by land according to ADR/RID 1263

Inland navigation (ADN) 1263

Marine transport in accordance with IMDG 1263

Air transport in accordance with IATA 1263

#### 14.2 UN proper shipping name

Transport by land according to ADR/RID Paint (No dangerous goods, according ADR 2.2.3.1.5 to max. 450 l)

- Label



- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (D/E)

Inland navigation (ADN)

Paint (No dangerous goods, according ADR 2.2.3.1.5 to max. 450 l)

- Label



Marine transport in accordance with IMDG

Paint (No dangerous goods, according IMDG 2.3.2.5 to max. 30 l (see 5.4.1.5.10) - "transport in compliance with 2.3.2.5 of the IMDG Code")

- EMS

F-E, S-E

- Label



Air transport in accordance with IATA

Paint

- Label



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#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID 3

Inland navigation (ADN) 3

Marine transport in accordance with IMDG 3

Air transport in accordance with IATA 3

#### 14.4 Packing group

Transport by land according to ADR/RID III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**EEC-REGULATIONS** 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2020)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- **Observe employment restrictions for people** Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- **VOC (2010/75/CE)** < 500 g/l

#### 15.2 Chemical safety assessment

not applicable

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## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 03)

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

### 16.2 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  
 ATE = acute toxicity estimate  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 EL50 = Median effective loading  
 ELINCS = European List of Notified Chemical Substances  
 EmS = Emergency Schedules  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 LL50 = Median lethal loading  
 LQ = Limited Quantities  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STP = Sewage Treatment Plant  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

### 16.3 Other information

#### Classification procedure

Flam. Liq. 3: H226 Flammable liquid and vapour. (On basis of test data)  
 Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)  
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)  
 STOT SE 3: H335 May cause respiratory irritation. (Calculation method)  
 STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Calculation method)

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**Modified position**

SECTION 2 been added: Reaction mass of ethylbenzene and xylene

SECTION 8 been added: In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.

SECTION 8 deleted: Respiratory protection mask in the event of high concentrations.

SECTION 8 been added: Nitrile rubber, >480 min (EN 374-1/-2/-3).

SECTION 8 been added: Butyl rubber, >480 min (EN 374-1/-2/-3).

SECTION 8 been added: For short-term contact:

SECTION 8 been added: In full contact:

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