

**Safety Data Sheet**

according to UK REACH Regulation

**TIP TOP COROPUR COVER RAL**

Revision date: 27.06.2022

Product code: 00359-1234

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**Art.-No.**

5800180, 580 0195, 580 0205, 580 0212, 580 0229, 580 0236, 580 0243, 580 0250, 580 0267, 580 0274, 580 1448, 580 1455, 580 1462, 580 1479, 580 1486, 580 1493, 580 1534, 580 1660, 580 1670, 580 1680, 580 1690

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Coating component

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

Company name:	TIP TOP Oberflaechenschutz Elbe GmbH		
Street:	Heuweg 4		
Place:	D-06886 Wittenberg		
Telephone:	+49(0)3491/635-50	Telefax:	+49(0)3491/635-552
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de		

**Supplier**

Company name:	REMA TIP TOP INDUSTRY UK LTD
Street:	Plumtree Industrial Estate, Harworth
Place:	Doncaster, DN11 8EW, South Yorkshire
Telephone:	+44 (0)1302 711233
Internet:	www.rema-tiptop.co.uk

**1.4. Emergency telephone number:**INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**Flam. Liq. 3; H226  
Acute Tox. 3; H331  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Resp. Sens. 1; H334  
Skin Sens. 1; H317  
STOT SE 3; H335  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation**

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#### Hazard components for labelling

Aliphatic polyisocyanate prepolymer  
2-Methoxy-1-methylethyl acetate  
Xylene (mixed isomers)  
Ethyl benzene  
Methyl(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate  
4-isocyanatosulphonyltoluene  
Isophorone diisocyanate, oligomer  
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate  
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate  
Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H226 Flammable liquid and vapour.  
H331 Toxic if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
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.  
P261 Avoid breathing vapour.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P284 Wear respiratory protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
P370+P378 In case of fire: Use Dry chemical, Sand to extinguish.  
P233 Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.

#### Special labelling of certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.  
As from 24 August 2023 adequate training is required before industrial or professional use.

#### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Vapours may form explosive mixture with air.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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**Chemical characterization**

Aliphatic polyisocyanate

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
105431-79-6	Aliphatic polyisocyanate prepolymer			20 - 25 %
	Skin Sens. 1; H317			
108-65-6	2-Methoxy-1-methylethyl acetate			10 - 12,5 %
	203-603-9	607-195-00-7	01-2119475791-29	
	Flam. Liq. 3, STOT SE 3; H226 H336			
1330-20-7	Xylene (mixed isomers)			5 - 10 %
	215-535-7	601-022-00-9	01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H226 H332 H312 H315 H319 H335 H373 H304 H412			
64742-95-6	Solvent naphta (petroleum)			5 - 10 %
	918-668-5	649-356-00-4	01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066			
100-41-4	Ethyl benzene			1 - 2,5 %
	202-849-4		01-2119489370-35	
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H332 H373 H304 H412			
82919-37-7	Methyl(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate			1 - 2,5 %
	280-060-4			
	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
4083-64-1	4-isocyanatosulphonyltoluene			1 - 2,5 %
	223-810-8	615-012-00-7	01-2119980050-47	
	Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, STOT SE 3; H315 H319 H334 H335 EUH014			
	Isophorone diisocyanate, oligomer			0,5 - 1 %
	931-312-3		01-2119488734-24	
	Skin Sens. 1, STOT SE 3; H317 H335			
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate			0,5 - 1 %
	223-861-6	615-008-00-5	01-2119490408-31	
	Acute Tox. 1, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, Aquatic Chronic 2; H330 H315 H319 H334 H317 H335 H411			
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate			0,5 - 1 %
	255-437-1			
	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
162627-17-0	Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine			< 0,5 %
	605-296-0		01-2119970640-38	
	Skin Sens. 1A; H317			

Full text of H and EUH statements: see section 16.

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#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
1330-20-7	215-535-7	Xylene (mixed isomers)	5 - 10 %
		inhalation: ATE = 11 mg/l (vapours); dermal: ATE = 1100 mg/kg	
100-41-4	202-849-4	Ethyl benzene	1 - 2,5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)	
4083-64-1	223-810-8	4-isocyanatosulphonyltoluene	1 - 2,5 %
		Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100 STOT SE 3; H335: >= 5 - 100	
4098-71-9	223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0,5 - 1 %
		inhalation: LC50 = 0,67 mg/l (vapours); inhalation: ATE = 0,005 mg/l (dusts or mists); dermal: LD50 = >7000 mg/kg; oral: LD50 = 4825 mg/kg Resp. Sens. 1; H334: >= 0,5 - 100 Skin Sens. 1; H317: >= 0,5 - 100	

#### Further Information

According to note P to the regulation (EC) no. 1272/2008, "Solvent naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

- Remove contaminated soaked clothing immediately.
- If you feel unwell, seek medical advice.
- Take away from danger area and lay down affected person.
- In case of the person being unconscious put him/her in a stable side position.

##### After inhalation

- Move to fresh air in case of accidental inhalation of vapours or decomposition products.
- Refer for medical treatment.
- If patient is not breathing, apply artificial respiration.

##### After contact with skin

- Wash off with soap and plenty of water.
- Consult a doctor if skin irritation persists.
- Do not use solvents or thinners.

##### 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 out mouth and give plenty of water to drink.
- Never give anything by mouth to an unconscious person.
- Summon a doctor immediately.
- Induce vomiting only upon the advice of a physician.

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

- Toxic if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause an allergic skin reaction.
- May cause respiratory irritation.

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



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Treat symptoms.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

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

###### Unsuitable extinguishing media

Full water jet

##### 5.2. Special hazards arising from the substance or mixture

Fire may produce:

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

Hydrogen cyanide (HCN)

Isocyanates (NCO).

##### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

##### Additional information

Cool containers at risk with water spray jet.

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

Vapours are heavier than air and spread along ground.

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

#### SECTION 6: Accidental release measures

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

###### General advice

Use only explosion-proof equipment.

Ensure adequate ventilation.

Keep away sources of ignition.

Remove persons to safety.

###### For non-emergency personnel

Do not breathe vapours.

Avoid contact with skin, eyes and clothing.

###### For emergency responders

In case of vapour formation use respirator.

Use personal protective clothing.

##### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

Inform competent authority about release into the sewage, ground or into waters.

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

###### For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

###### For cleaning up

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

Shovel into suitable container for disposal.

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Container should not be gas-tight closed.

##### 6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

#### SECTION 7: Handling and storage

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**7.1. Precautions for safe handling****Advice on safe handling**

- Keep container tightly closed.
- Keep a good ventilation and air-exhaust at the place of work.
- Vapours are heavier than air and spread along ground.
- Avoid contact with the skin and the eyes.
- When using do not eat, drink or smoke.
- Do not empty container under pressure. No pressure tank!
- Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**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.

**7.2. 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 protection rules.
- Protect from heat and direct solar radiation.
- Storage temperature between 15°C to 30°C

**Hints on joint storage**

- Incompatible with:
  - Oxidizing agents
  - Acids and bases.
  - Water, amines, alcohols

**Further information on storage conditions**

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

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

- Coating component

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
-	Isocyanates, all (as -NCO) Except methyl isocyanate	-	0.02		TWA (8 h)	WEL
		-	0.07		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

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**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid (creatinine)	650 mmol/mol	urine	Post shift

**8.2. 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.

Treat subsequently with skin cream.

Remove and wash contaminated clothing before re-use.

**Eye/face protection**

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

**Hand protection**

Protective gloves resistant to chemicals made of nitrile, minimum coat thickness 0.4 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> 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 (DIN EN ISO 6530)

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Various
Odour:	Characteristic

pH-Value: n.d.

**Changes in the physical state**

Melting point/freezing point: n.d.

Boiling point or initial boiling point and boiling range: 139 °C (\*)

Sublimation point: n.a.

Softening point: n.d.

Flash point: 50 °C DIN 53213

**Flammability**

Solid/liquid: n.a.

Gas: n.a.

**Test method**

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**Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

Lower explosion limits:	0,96 vol. % (*)
Upper explosion limits:	8,0 vol. % (*)
Auto-ignition temperature:	333 °C (**)

**Self-ignition temperature**

Solid:	n.a.
Gas:	n.a.
Decomposition temperature:	n.d.

**Oxidizing properties**

Not fire-promoting.

Vapour pressure: (at 20 °C)	1,29 hPa
Density (at 20 °C):	1,31 g/cm <sup>3</sup>
Bulk density:	n.a.
Water solubility: (at 20 °C)	Immiscible

**Solubility in other solvents**

n.d.

Partition coefficient n-octanol/water:	n.d.
Viscosity / dynamic:	n.d.
Viscosity / kinematic: (at 40 °C)	> 20,5 mm <sup>2</sup> /s
Flow time: (at 20 °C)	130 s 4 DIN 53211
Relative vapour density:	n.d.
Evaporation rate:	n.d.
Solvent separation test:	n.d.
Solvent content:	30 %

**9.2. Other information**

Solid content:	70 %
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(\*) Xylene (mixed isomers)

(\*\*) 2-Methoxy-1-methylethyl acetate

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with acids, alkalies and oxidizing agents

Reacts with: Water, amines, alcohols

**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

Heating can release vapours which can be ignited.

Vapour/air-mixtures are explosive at intense warming.





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#### **10.5. Incompatible materials**

Strong oxidizing agents  
Strong acids and strong bases  
Water, amines, alcohols

#### **10.6. Hazardous decomposition products**

No hazardous decomposition products known.  
Fire may produce:  
Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide gas, Isocyanates

### SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

##### **Acute toxicity**

Toxic if inhaled.  
No toxicological data available.

##### **ATEmix calculated**

ATE (dermal) 11111,1 mg/kg; ATE (inhalation vapour) 40,49 mg/l; ATE (inhalation dust/mist) 0,550 mg/l

##### **Irritation and corrosivity**

Causes skin irritation.  
Causes serious eye irritation.

##### **Sensitising effects**

Contains isocyanates. May produce an allergic reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (4-isocyanatosulphonyltoluene; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate) May cause an allergic skin reaction. (Aliphatic polyisocyanate prepolymer; Methyl(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate; Isophorone diisocyanate, oligomer; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate; Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine)

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

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

##### **STOT-single exposure**

May cause respiratory irritation.

##### **STOT-repeated exposure**

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

##### **Aspiration hazard**

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

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

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

#### **11.2. Information on other hazards**

##### **Endocrine disrupting properties**

No data available

##### **Other information**

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Inhalation of high concentrations may cause injuries to liver, kidneys and central nervous system.

A longer or repeated contact may lead to irritation of eyes and mucous membranes.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

With hypersensitive people, reactions as cough or difficulty of breathing may appear even with tiny concentrations of isocyanates; therefore keep room aerated and ventilated.

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

Ecological data are not available.  
Harmful to aquatic life with long lasting effects.

##### 12.2. Persistence and degradability

No data available

##### 12.3. Bioaccumulative potential

No data available

##### 12.4. Mobility in soil

No data available

##### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

##### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

##### 12.7. Other adverse effects

Hazardous water pollutant.

##### Further information

Do not flush into surface water or sanitary sewer system.

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### Disposal recommendations

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

###### List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

###### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.  
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.

#### SECTION 14: Transport information

##### Land transport (ADR/RID)

###### 14.1. UN number:

UN 1992

###### 14.2. UN proper shipping name:

FLAMMABLE LIQUID, TOXIC, N.O.S. (Xylene (mixed isomers), Isophorone diisocyanate)

###### 14.3. Transport hazard class(es):

3

###### 14.4. Packing group:

III

Hazard label:

3+6.1



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Classification code: FT1  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1  
Transport category: 3  
Hazard No: 36  
Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1992  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, TOXIC, N.O.S. (Xylene (mixed isomers), Isophorone diisocyanate)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3+6.1



Classification code: FT1  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1

#### Other applicable information (inland waterways transport)

Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

#### Marine transport (IMDG)

**14.1. UN number:** UN 1992  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, TOXIC, N.O.S. (Xylene (mixture of isomers), Isophorone diisocyanate, Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate))  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3+6.1



Marine pollutant: Yes  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1  
EmS: F-E, S-D

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

**14.1. UN number:** UN 1992  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, TOXIC, N.O.S. (Xylene (mixture of isomers), Isophorone diisocyanate)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3+6.1



Limited quantity Passenger: 2 L  
Passenger LQ: Y343  
Excepted quantity: E1



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IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

#### **14.6. Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

#### **14.7. Maritime transport in bulk according to IMO instruments**

The transport takes place only in approved and appropriate packaging.

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 74, Entry 75

2010/75/EU (VOC):	397 g/l
Information according to 2012/18/EU (SEVESO III):	H2 ACUTE TOXIC
Additional information:	P5c

##### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

#### **15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 1,2,4,6,7,9,10,11,12,13,14,15.

#### **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

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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

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 3; H331	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Resp. Sens. 1; H334	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH014	Reacts violently with water.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH204	Contains isocyanates. May produce an allergic reaction.

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

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



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warranty regulations.  
(n.a. = not applicable; n.d. = not determined)

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