

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP COROPUR NON ABRASIVE WITH ACTIVATOR A-1949 (MV 10:1)

Revision date: 29.06.2022

Product code: 00359-1243

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

##### 1.1. Product identifier

TIP TOP COROPUR NON ABRASIVE WITH ACTIVATOR A-1949 (MV 10:1)

##### Art.-No.

580 0676, 580 0717, 580 1510, 580 0700, 580 0730, 580 0740, 580 0760, 580 0780

##### 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

Company name:	TIP TOP Oberflächenschutz 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		

##### 1.4. Emergency telephone number:

 INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
 Public Poisons Information Line: +353 (0) 1 809 2166 (8am-10pm 7 days a week)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

 Flam. Liq. 3; H226  
 Skin Irrit. 2; H315  
 Eye Irrit. 2; H319  
 Resp. Sens. 1; H334  
 Skin Sens. 1; H317  
 Carc. 2; H351  
 STOT SE 3; H335

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

##### Regulation (EC) No 1272/2008

##### Hazard components for labelling

 Xylene (mixed isomers)  
 Hexamethylene-1,6-diisocyanate, homopolymer  
 4,4'-Methylenediphenyl diisocyanate, oligomers  
 Aromatic polyisocyanate  
 4-isocyanatosulphonyltoluene  
 4,4'-Methylene-diphenyl diisocyanate  
 Diphenylmethane-2,4'-diisocyanate  
 Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Signal word: Danger

Pictograms:





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#### Hazard statements

H226	Flammable liquid and vapour.
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.
H351	Suspected of causing cancer.
H335	May cause respiratory irritation.

#### Precautionary statements

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P260	Do not breathe vapour.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to in accordance with local and national regulations.

#### 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.
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#### 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

##### Chemical characterization

Aromatic polyisocyanate



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## Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
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			
28182-81-2	Hexamethylene-1,6-diisocyanate, homopolymer			5 - 10 %
	500-060-2		01-2119488934-20	
	Acute Tox. 4, Skin Sens. 1, STOT SE 3; H332 H317 H335			
25686-28-6	4,4'-Methylenediphenyl diisocyanate, oligomers			5 - 10 %
	500-040-3		01-2119457013-49	
	Carc. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, STOT RE 2; H351 H332 H315 H319 H334 H317 H335 H373			
123-86-4	n-Butyl acetate			5 - 10 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
53317-61-6	Aromatic polyisocyanate			5 - 10 %
	500-120-8			
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
103051-64-5	Aromatic polyisocyanate			2,5 - 5 %
	Skin Sens. 1; H317			
147993-65-5	Aromatic polyisocyanate			2,5 - 5 %
	Resp. Sens. 1, Skin Sens. 1; H334 H317			
100-41-4	Ethyl benzene			1 - 2,5 %
	202-849-4	601-023-00-4	01-2119489370-35	
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H332 H373 H304 H412			
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			
101-68-8	4,4'-Methylene-diphenyl diisocyanate			1 - 2,5 %
	202-966-0	615-005-00-9	01-2119457014-47	
	Carc. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, STOT RE 2; H351 H332 H315 H319 H334 H317 H335 H373			
5873-54-1	Diphenylmethane-2,4'-diisocyanate			1 - 2,5 %
	227-534-9	615-005-00-9	01-2119480143-45	
	Carc. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, STOT RE 2; H351 H332 H315 H319 H334 H317 H335 H373			
872-50-4	N-methyl-2-pyrrolidone			< 0,3 %
	212-828-1	606-021-00-7	01-2119472430-46	
	Repr. 1B, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H360D H315 H319 H335			
162627-17-0	Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine			< 0,5 %

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605-296-0	01-2119970640-38
Skin Sens. 1A; H317	

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

**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			
28182-81-2	500-060-2	Hexamethylene-1,6-diisocyanate, homopolymer	5 - 10 %
inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)			
25686-28-6	500-040-3	4,4'-Methylenediphenyl diisocyanate, oligomers	5 - 10 %
inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)			
100-41-4	202-849-4	Ethyl benzene	1 - 2,5 %
inhalation: ATE = 11 mg/l (vapours)			
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			
101-68-8	202-966-0	4,4'-Methylene-diphenyl diisocyanate	1 - 2,5 %
inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 0,368 mg/l (dusts or mists); dermal: LD50 = > 9400 mg/kg; oral: LD50 = > 2000 mg/kg Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100 Resp. Sens. 1; H334: >= 0,1 - 100 STOT SE 3; H335: >= 5 - 100			
5873-54-1	227-534-9	Diphenylmethane-2,4'-diisocyanate	1 - 2,5 %
inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 0,387 mg/l (dusts or mists); dermal: LD50 = > 9400 mg/kg; oral: LD50 = > 2000 mg/kg Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100 Resp. Sens. 1; H334: >= 0,1 - 100 STOT SE 3; H335: >= 5 - 100			
872-50-4	212-828-1	N-methyl-2-pyrrolidone	< 0,3 %
inhalation: LC50 = 5000 mg/l (dusts or mists); dermal: LD50 = > 5,1 mg/kg; oral: LD50 = 4150 mg/kg STOT SE 3; H335: >= 10 - 100			

**Further Information**

SVHC substance [Regulation (EC) No 1907/2006, Article 57]

N-methyl-2-pyrrolidone

**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.



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#### 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

- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause respiratory irritation.
- Suspected of causing cancer.
- Attention. Beware, danger of aspiration.

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

- 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>).

#### 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.
- Keep away noninvolved persons.

##### 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/groundwater.
- Inform competent authority about release into the sewerage, ground or into waters.



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#### **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.

No not container for disposal.

#### **6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Informations for disposal look up chapter 13.

### **SECTION 7: Handling and storage**

#### **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**

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**Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
872-50-4	1-Methyl-2-pyrrolidone	25	101		TWA (8 h)	
101-68-8	4,4'-Methylene-diphenyl diisocyanate (as -NCO)	0.005	-		TWA (8 h)	
123-86-4	Butyl acetate	150	710		TWA (8 h)	
		200	950		STEL (15 min)	
100-41-4	Ethylbenzene	100	442		TWA (8 h)	
		200	884		STEL (15 min)	
-	Isocyanates (all, as -NCO)	-	0.02		TWA (8 h)	
		-	0.07		STEL (15 min)	
1330-20-7	Xylene, mixed isomers	50	221		TWA (8 h)	
		100	442		STEL (15 min)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
100-41-4	Ethyl benzene	Mandelic acid and phenylglyoxylic acid	0.7 g/g	Creatinine	End of shift at end of workweek
872-50-4	N-Methyl-2-pyrrolidone	2-HMSI	20 mg/g	Creatinine	End of shift (measured morning after shift (8hrs))

**DNEL/DMEL values**

CAS No	Substance	DNEL type	Exposure route	Effect	Value
872-50-4	N-methyl-2-pyrrolidone				
		Worker DNEL, long-term	inhalation	systemic	14,4 mg/m <sup>3</sup>
		Worker DNEL, long-term	inhalation	local	40 mg/m <sup>3</sup>
		Worker DNEL, long-term	dermal	systemic	4,8 mg/kg bw/day
		Worker DNEL, acute	dermal	systemic	208 mg/kg bw/day
		Worker DNEL, acute	inhalation	systemic	80 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	Environmental compartment	Value
872-50-4	N-methyl-2-pyrrolidone		
		Freshwater	0,25 mg/l
		Freshwater (intermittent releases)	5 mg/l
		Marine water	0,025 mg/l
		Freshwater sediment	1,09 mg/l
		Marine sediment	0,109 mg/l
		Micro-organisms in sewage treatment plants (STP)	10 mg/l
		Soil	0,07 mg/l

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**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 off nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove &lt;Camatril Velours 730&gt; 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

	Test method
pH-Value:	n. d.

**Changes in the physical state**

Melting point/freezing point:	n. d.
Boiling point or initial boiling point and boiling range:	126 °C *)
Sublimation point:	n.a.
Softening point:	n. d.
Flash point:	28 °C DIN 53213
Sustaining combustion:	Sustaining combustion

**Flammability**

Solid/liquid:	n.a.
Gas:	n.a.

**Explosive properties**

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

Lower explosion limits:	2,27 vol. % (**)
Upper explosion limits:	8,1 vol. % (**)
Auto-ignition temperature:	180 °C



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**Self-ignition temperature**Solid: n.a.  
Gas: n.a.

Decomposition temperature: n. d.

**Oxidizing properties**

Not oxidising.

Vapour pressure: 1,55 hPa  
(at 20 °C)Density (at 20 °C): 1,32 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: Immiscible  
(at 20 °C)**Solubility in other solvents**

n. d.

Partition coefficient n-octanol/water: n. d.

Viscosity / dynamic: n. d.

Viscosity / kinematic: > 20,5 mm<sup>2</sup>/s  
(at 40 °C)Flow time: 300 s 4 DIN EN ISO 2431  
(at 20 °C)

Relative vapour density: n. d.

Solvent separation test: &lt; 3 %

Solvent content: 21 %

**9.2. Other information**

Solid content: 79 %

(\*) n-Butyl acetate

(\*\*) Ethyl benzene

**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 oxidising 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.

**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:

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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 Regulation (EC) No 1272/2008

#### Acute toxicity

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

#### ATEmix calculated

ATE (dermal) 11111,1 mg/kg; ATE (inhalation vapour) 30,26 mg/l; ATE (inhalation dust/mist) 6,250 mg/l

#### Irritation and corrosivity

Causes skin irritation.  
Causes serious eye irritation.  
Skin irritation: Not classified.

#### Sensitising effects

Contains isocyanates. May produce an allergic reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (4,4'-Methylenediphenyl diisocyanate, oligomers; Aromatic polyisocyanate; 4-isocyanatosulphonyltoluene; 4,4'-Methylene-diphenyl diisocyanate; Diphenylmethane-2,4'-diisocyanate)  
May cause an allergic skin reaction. (Hexamethylene-1,6-diisocyanate, homopolymer; 4,4'-Methylenediphenyl diisocyanate, oligomers; Aromatic polyisocyanate; Aromatic polyisocyanate; Aromatic polyisocyanate; 4,4'-Methylene-diphenyl diisocyanate; Diphenylmethane-2,4'-diisocyanate; Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine)

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

Suspected of causing cancer. (4,4'-Methylenediphenyl diisocyanate, oligomers; 4,4'-Methylene-diphenyl diisocyanate; Diphenylmethane-2,4'-diisocyanate)  
Germ cell mutagenicity: 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

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.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecological data are not available.

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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 REACH, annex XIII.

#### **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**

Slightly water hazardous.

#### **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 1263

**14.2. UN proper shipping name:** Paint

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** III

Hazard label: 3



Classification code: F1

Limited quantity: 5 L / 30 kg

Excepted quantity: E1

Transport category: 3

Hazard No: 30

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Tunnel restriction code: D/E

**Other applicable information (land transport)**

Viscous substance - excepted quantity if in containers with a capacity up to 450 l (subsection 2.2.3.1.5 ADR).

**Inland waterways transport (ADN)****14.1. UN number:** UN 1263**14.2. UN proper shipping name:** Paint**14.3. Transport hazard class(es):** 3**14.4. Packing group:** III

Hazard label: 3



Classification code: F1

Limited quantity: 5 L / 30 kg

Excepted quantity: E1

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

Viscous substance - excepted quantity if in containers with a capacity up to 450 l (subsection 2.2.3.1.5 ADN).

**Marine transport (IMDG)****14.1. UN number:** UN 1263**14.2. UN proper shipping name:** Paint**14.3. Transport hazard class(es):** 3**14.4. Packing group:** III

Hazard label: 3



Marine pollutant: No

Limited quantity: 5 L / 30 kg

Excepted quantity: E1

EmS: F-E, S-E

**Other applicable information (marine transport)**

Viscous substance - excepted quantity if in containers with a capacity up to 30 l (subsection 2.3.2.5 IMDG Code).

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** UN 1263**14.2. UN proper shipping name:** Paint**14.3. Transport hazard class(es):** 3**14.4. Packing group:** 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

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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**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
N-methyl-2-pyrrolidone

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 30, Entry 40, Entry 56, Entry 75

2010/75/EU (VOC): 267 g/l

Information according to 2012/18/EU (SEVESO III):  
P5c FLAMMABLE LIQUIDS

**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): 1 - slightly 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): 1,2,3,4,6,7,8,9,10,11,12,13,14,15.

**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 Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Resp. Sens. 1; H334	Calculation method
Skin Sens. 1; H317	Calculation method
Carc. 2; H351	Calculation method
STOT SE 3; H335	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.
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.
H351	Suspected of causing cancer.
H360D	May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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 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.)*