



## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 2 of 14

#### Hazard components for labelling

Aromatic polyisocyanate  
Pitch, petroleum, aromatic  
Creosote oil, acenaphthene fraction  
Distillates (coal tar), heavy oils  
Diphenylmethane-4,4'-diisocyanate  
Aromatic polyisocyanate prepolymer  
Diphenylmethane-2,4'-diisocyanate  
4-isocyanatosulphonyltoluene  
4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate

**Signal word:** Danger

**Pictograms:**



#### 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.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H360FD May damage fertility. May damage the unborn child.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P201 Obtain special instructions before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing vapour.  
P273 Avoid release to the environment.  
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.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
P370+P378 In case of fire: Use Dry chemical, Sand to extinguish.  
P391 Collect spillage.  
P403+P235 Store in a well-ventilated place. Keep cool.

#### Special labelling of certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.  
Restricted to professional users.

#### 2.3. Other hazards

Vapours may form explosive mixture with air.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Aromatic polyisocyanate



## Safety Data Sheet

according to UK REACH Regulation

## TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 3 of 14

## Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
7440-66-6	Zinc powder - zinc dust (pyrophoric)			10 - 15 %
	231-175-3	030-001-00-1	01-2119467174-37	
	Pyr. Sol. 1, Water-react. 1, Aquatic Acute 1, Aquatic Chronic 1; H250 H260 H400 H410			
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			5 - 10 %
	Skin Sens. 1; H317			
68187-58-6	Pitch, petroleum, aromatic			5 - 10 %
	269-110-6		01-2119539471-40	
	Carc. 1B, Muta. 1B, Repr. 1B, Skin Sens. 1A, Aquatic Chronic 4; H350 H340 H360FD H317 H413			
90640-84-9	Creosote oil, acenaphthene fraction			1 - 5 %
	292-605-3	648-098-00-X	01-2119548393-35	
	Carc. 1B, Muta. 2, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2; H350 H341 H315 H319 H317 H373 H304 H411			
90640-86-1	Distillates (coal tar), heavy oils			1 - 5 %
	292-607-4	648-044-00-5	01-2119539472-38	
	Carc. 1B, Muta. 1B, Repr. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H350 H340 H361fd H315 H317 H412			
101-68-8	Diphenylmethane-4,4'-diisocyanate			1 - 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			
99784-49-3	Aromatic polyisocyanate prepolymer			1 - 5 %
	Resp. Sens. 1, Skin Sens. 1, Aquatic Chronic 2; H334 H317 H411			
5873-54-1	Diphenylmethane-2,4'-diisocyanate			1 - < 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			
4083-64-1	4-isocyanatosulphonyltoluene			0,5 - 1 %
	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			
108-88-3	Toluene			0,5 - 1 %
	203-625-9	601-021-00-3	01-2119471310-51	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H361d H315 H336 H373 H304			
26471-62-5	4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate			0,05 - 0,1 %

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 4 of 14

	247-722-4	615-006-00-4	01-2119454791-34	
	Carc. 2, Acute Tox. 2, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3; H351 H330 H315 H319 H334 H317 H335 H412			

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	
7440-66-6	231-175-3	Zinc powder - zinc dust (pyrophoric)	10 - 15 %
		Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	
101-68-8	202-966-0	Diphenylmethane-4,4'-diisocyanate	1 - 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 - < 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	
4083-64-1	223-810-8	4-isocyanatosulphonyltoluene	0,5 - 1 %
		Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100 STOT SE 3; H335: >= 5 - 100	
108-88-3	203-625-9	Toluene	0,5 - 1 %
		inhalation: LC50 = 49 mg/l (vapours); dermal: LD50 = 12200 mg/kg	
26471-62-5	247-722-4	4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate	0,05 - 0,1 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = >19000 mg/kg; oral: LD50 = 5800 mg/kg Resp. Sens. 1; H334: >= 0,1 - 100	

## 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.



## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 5 of 14

#### **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 genetic defects.
- May cause cancer.
- May damage fertility. May damage the unborn child.

#### **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>)
  - 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.
- 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/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).



## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 6 of 14

#### 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

#### 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

**Safety Data Sheet**

according to UK REACH Regulation

**TIP TOP COROPUR TEER 21**

Revision date: 22.05.2023

Product code: 00359-1260

Page 7 of 14

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
-	Isocyanates, all (as -NCO) Except methyl isocyanate	-	0.02		TWA (8 h)	WEL
		-	0.07		STEL (15 min)	WEL
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL

**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](http://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**

Light protective clothing

**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 (at 40 °C): 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.

**Test method**

**Safety Data Sheet**

according to UK REACH Regulation

**TIP TOP COROPUR TEER 21**

Revision date: 22.05.2023

Product code: 00359-1260

Page 8 of 14

Softening point: n.d.  
Flash point: 30 °C DIN 53213  
Sustaining combustion: Sustaining combustion

**Flammability**

Solid/liquid: n.a.

**Explosive properties**

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

Lower explosion limits: 1,9 vol. % \*)  
Upper explosion limits: 6,1 vol. % \*)  
Auto-ignition temperature: 370 °C \*)

**Self-ignition temperature**

Solid: n.a.  
Gas: n.a.

Decomposition temperature: n.d.

**Oxidizing properties**

Not oxidising.

Vapour pressure: 1,1 hPa  
(at 20 °C)

Density (at 20 °C): 1,94 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: > 700 mm<sup>2</sup>/s

Flow time: 200 s 4 DIN EN ISO 2431  
(at 20 °C)

Relative vapour density: n.d.

Evaporation rate: n.d.

Solvent separation test: < 3 %

Solvent content: 9 %

**9.2. Other information**

Solid content: 91 %

\*) n-butyl 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



## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 9 of 14

#### **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:  
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**

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

#### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 314,3 mg/l; ATE (inhalation dust/mist) 42,86 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. (Diphenylmethane-4,4'-diisocyanate ; Aromatic polyisocyanate prepolymer; Diphenylmethane-2,4'-diisocyanate; 4-isocyanatosulphonyltoluene; 4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate)  
May cause an allergic skin reaction. (Aromatic polyisocyanate; Aromatic polyisocyanate; Pitch, petroleum, aromatic; Creosote oil, acenaphthene fraction; Distillates (coal tar), heavy oils; Diphenylmethane-4,4'-diisocyanate ; Aromatic polyisocyanate prepolymer; Diphenylmethane-2,4'-diisocyanate; 4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate)

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

May cause genetic defects. (Pitch, petroleum, aromatic; Distillates (coal tar), heavy oils)  
Suspected of causing genetic defects. (Creosote oil, acenaphthene fraction)  
May cause cancer. (Pitch, petroleum, aromatic; Creosote oil, acenaphthene fraction; Distillates (coal tar), heavy oils)  
Suspected of causing cancer. (Diphenylmethane-4,4'-diisocyanate ; Diphenylmethane-2,4'-diisocyanate; 4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate)  
May damage fertility. May damage the unborn child. (Pitch, petroleum, aromatic)

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

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

#### **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**



## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 10 of 14

#### 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.

Toxic 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 meet the criteria.

#### 12.7. Other adverse effects

Severe hazard to waters.

#### 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

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 11 of 14

#### 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  
Tunnel restriction code: D/E

#### 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

#### Marine transport (IMDG)

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** Paint (Zinc powder - zinc dust (pyrophoric))  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



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

#### 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

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 12 of 14



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

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



#### 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 28, Entry 31, Entry 40, Entry 48, Entry 56, Entry 75

2010/75/EU (VOC):	181 g/l
Information according to 2012/18/EU (SEVESO III):	P5c FLAMMABLE LIQUIDS
Additional information:	E2

##### 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):	3 - highly 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): 2,4,6,7,8,9,10,11,12,13,14,15.



## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP COROPUR TEER 21

Revision date: 22.05.2023

Product code: 00359-1260

Page 13 of 14

#### 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

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

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
Muta. 1B; H340	Calculation method
Muta. 2; H341	Calculation method
Carc. 1B; H350	Calculation method
Carc. 2; H351	Calculation method
Repr. 1B; H360FD	Calculation method
Aquatic Chronic 2; H411	Calculation method

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

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H250 Catches fire spontaneously if exposed to air.  
H260 In contact with water releases flammable gases which may ignite spontaneously.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H330 Fatal 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.  
H340 May cause genetic defects.

**Safety Data Sheet**

according to UK REACH Regulation

**TIP TOP COROPUR TEER 21**

Revision date: 22.05.2023

Product code: 00359-1260

Page 14 of 14

H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360FD	May damage fertility. May damage the unborn child.
H361d	Suspected of damaging the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
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.
H413	May cause long lasting harmful effects to aquatic life.
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.)*