



Trade name: H2 100ML

Version: 9 / GB

Date revised: 16.05.2022

Substance number: 3519007100006

Replaces Version: 8 / GB

Print date: 17.05.22

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

### **1.1. Product identifier**

H2 100ML

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

#### **Use of the substance/preparation**

Screen and pad printing auxiliary

#### **Identified Uses**

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4	Chemical production where opportunity for exposure arises
PROC5	Mixing or blending in batch processes
PROC8a	Transfer of substance or mixture (charging and discharging) at nondedicated facilities
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC13	Treatment of articles by dipping and pouring
PROC19	Manual activities involving hand contact
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8d	Wide dispersive outdoor use of processing aids in open systems

#### **Uses advised against**

SU21 Consumer uses: Private households (= general public = consumers)

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

#### **Address/Manufacturer**

Marabu GmbH & Co. KG  
 Asperger Strasse 4  
 71732 Tamm  
 Germany  
 Telephone no. +49-7141/691-0  
 Fax no. +49-7141/691-147  
 Information provided Department product safety  
 by / telephone  
 E-mail address of PRSI@marabu.com  
 person responsible  
 for this SDS

### **1.4. Emergency telephone number**

(+49) (0)621-60-43333

## **SECTION 2: Hazards identification \*\*\***

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## 2.1. Classification of the substance or mixture

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

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Flam. Liq. 3	H226
Eye Irrit. 2	H319
Resp. Sens. 1	H334
Skin Sens. 1	H317
STOT SE 3	H336

## 2.2. Label elements

### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms \*\*\*



#### Signal word

Danger

#### Hazard statements

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.

#### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261.9	Avoid breathing vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

#### Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains m-Tolyldiene diisocyanate; Aromatic polyisocyanate; n-Butyl acetate

#### Supplemental information

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH204	Contains isocyanates. May produce an allergic reaction.

#### Labelling according to annex XVII to regulation (EU) No 1907/2006

As from 24 August 2023 adequate training is required before industrial or professional use

## 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Polyfunctional aromatic isocyanate in solvents

#### Hazardous ingredients



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**Aromatic polyisocyanate**

CAS No. 53317-61-6  
 EINECS no. 500-120-8  
 Concentration >= 50 < 100 %

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319  
 Skin Sens. 1 H317

**n-Butyl acetate**

CAS No. 123-86-4  
 EINECS no. 204-658-1  
 Registration no. 01-2119485493-29  
 Concentration >= 25 < 50 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226  
 STOT SE 3 H336

**m-Tolyldiene diisocyanate**

CAS No. 26471-62-5  
 EINECS no. 247-722-4  
 Registration no. 01-2119454791-34  
 Concentration >= 0,1 < 0,58 %

Classification (Regulation (EC) No. 1272/2008)

Carc. 2 H351  
 Aquatic Chronic 3 H412  
 Skin Sens. 1 H317  
 Resp. Sens. 1 H334  
 Skin Irrit. 2 H315  
 STOT SE 3 H335  
 Acute Tox. 2 H330  
 Eye Irrit. 2 H319

Concentration limits (Regulation (EC) No. 1272/2008)

Resp. Sens. 1 H334 >= 0,1

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

**After inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

**After skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

**After ingestion**



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If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Until now no symptoms known so far.

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

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist, Not be used for safety reasons: water jet

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

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); dense black smoke; Nitrogen oxides (NO<sub>x</sub>)

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighting**

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

### **SECTION 6: Accidental release measures**

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

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

#### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth. Place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d = 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

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

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

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

#### **7.1. Precautions for safe handling**

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

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical



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equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Care should be taken when re-opening partly used containers. Precautions should be taken to minimise exposure to atmospheric humidity or water: CO<sub>2</sub> will be formed which in closed containers can result in pressurisation. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

### Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires	B (Combustible liquid substances)
Temperature class	T2

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

### Requirements for storage rooms and vessels

Electrical installations/working materials must comply with the local applied technological safety standards. Storage rooms in which filling operations take place must have a conducting floor. Store in accordance with national regulation

### Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials as well as amines, alcohols and water.

### Further information on storage conditions

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 7.3. Specific end use(s)

Screen and pad printing auxiliary

## SECTION 8: Exposure controls/personal protection \*\*\*

### 8.1. Control parameters

#### Exposure limit values \*\*\*

##### m-Tolylidene diisocyanate

List	EH40		
Type	WEL		
Value	0.02	mg/m <sup>3</sup>	
Short term exposure limit	0.07	mg/m <sup>3</sup>	
Status:	2011		

##### n-Butyl acetate

List	EH40			
Type	WEL			
Value	724	mg/m <sup>3</sup>	150	ppm(V)
Short term exposure limit	966	mg/m <sup>3</sup>	200	ppm(V)
Status:	2011			

### Derived No/Minimal Effect Levels (DNEL/DMEL)

#### n-Butyl acetate

Type of value	Derived No Effect Level (DNEL)
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Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	600	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	600	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	300	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	300	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	300	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	300	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	35,7	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	35,7	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	

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Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 11 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker

Duration of exposure Short term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 11 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer

Duration of exposure Long term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 6 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer

Duration of exposure Short term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 6 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer

Duration of exposure Long term  
 Route of exposure oral  
 Mode of action Systemic effects  
 Concentration 2 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer

Duration of exposure Short term  
 Route of exposure oral  
 Mode of action Systemic effects  
 Concentration 2 mg/kg/d

**m-Tolyldiene diisocyanate**

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker

Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 0,14 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker

Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 0,14 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker

Duration of exposure Long term



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Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,035	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,035	mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC)**

**n-Butyl acetate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,18	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,018	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,981	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,0981	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,0903	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	35,6	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,36	mg/l

**m-Tolylidene diisocyanate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,013	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,00125	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	> 1	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	> 1	mg/l



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## 8.2. Exposure controls

### Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided. In other operations, if local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. (See Personal Protection.). Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Under cool dry conditions, it is possible for the isocyanate to remain unreacted in the paint film for up to 30 hours after application. If dry flattening is unavoidable air fed respiratory protective equipment should be used.

### Respiratory protection

When spraying: air fed respirator. For operations other than spraying: In well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask. Short term: filter apparatus, combination filter A-P2

### Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

Material thickness > 0,5 mm

Breakthrough time < 30 min

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

### Eye protection

Use safety eyewear designed to protect against splash of liquids.

### Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Form</b>	Liquid
<b>Colour</b>	colourless to yellowish
<b>Odour</b>	solvent-like
<b>Odour threshold</b>	
Remarks	No data available
<b>pH value</b>	
Remarks	Not applicable
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	



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Remarks not determined

**Initial boiling point and boiling range**

Value appr. 124 °C  
 Pressure 1.013 hPa  
 Source Literature value

**Flash point**

Value 30 °C  
 Method ASTM D 6450 (CCCFP)

**Evaporation rate (ether = 1) :**

Remarks not determined

**Flammability (solid, gas)**

Not applicable

**Upper/lower flammability or explosive limits**

Lower explosion limit appr. 1,2 %(V)  
 Upper explosion limit appr. 7,5 %(V)  
 Source Literature value

**Vapour pressure**

Value appr. 13 hPa  
 Temperature 20 °C  
 Method calculated

**Vapour density**

Remarks not determined

**Density**

Value 1,15 g/cm<sup>3</sup>  
 Temperature 20 °C  
 Method DIN EN ISO 2811

**Solubility in water**

Remarks partially miscible

**Partition coefficient: n-octanol/water**

Remarks Not applicable

**Ignition temperature**

Value appr. 420 °C  
 Source Literature value

**Efflux time**

Value > 90 s  
 Method DIN 53211 4 mm

**Explosive properties**

evaluation no

**Oxidising properties**

evaluation None known

**9.2. Other information****Other information**

The physical specifications are approximate values and refer to the used safety relevant component(s).

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

The product reacts slowly with water resulting in evolution of carbon dioxide.



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**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

Keep away from oxidising agents, strongly alkaline and strongly acid materials, amines, alcohols and water. In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.

**10.4. Conditions to avoid**

In a fire, hazardous decomposition products may be produced.

**10.5. Incompatible materials**

Uncontrolled exothermic reactions occur with amines and alcohols.

**10.6. Hazardous decomposition products**

such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

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

**Acute oral toxicity (Components)****n-Butyl acetate**

Species	rat (female)	
LD50	10760	mg/kg
Method	OECD 423	

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****n-Butyl acetate**

Species	Rats (male/female)	
LD50	14112	mg/kg
Method	OECD 402	

**Acute inhalational toxicity**

ATE	> 20	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	> 5	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	
Remarks	Based on available data, the classification criteria are not met.	

**Acute inhalative toxicity (Components)****n-Butyl acetate**

Species	Rats (male/female)	
LC50	> 21	mg/l
Duration of exposure	4	h
Method	OECD 403	

**m-Tolylidene diisocyanate**

Species	rat	
LC50	0,1175	mg/l
Duration of exposure	4	h
Administration/Form	Vapors	



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Method	OECD 403
<b>m-Tolyldiene diisocyanate</b>	
Species	rat
LC50	0,107 mg/l
Duration of exposure	4 h
Administration/Form	Dust/Mist
Method	OECD 403

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

evaluation irritant  
Remarks The classification criteria are met.

**Sensitization**

evaluation May cause sensitization by inhalation.  
Remarks The classification criteria are met.

**Mutagenicity**

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

**Reproductive toxicity**

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

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)****Single exposure**

Remarks The classification criteria are met.  
evaluation May cause drowsiness or dizziness.

**Repeated exposure**

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

**Aspiration hazard**

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

**Experience in practice**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause an allergic skin reaction. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**Other information**

There are no data available on the mixture itself.  
The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

**SECTION 12: Ecological information****12.1. Toxicity****General information**

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The



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mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

## 12.2. Persistence and degradability

### General information

No data available

## 12.3. Bioaccumulative potential

### General information

There are no data available on the mixture itself.

### Partition coefficient: n-octanol/water

Remarks Not applicable

## 12.4. Mobility in soil

### General information

There are no data available on the mixture itself.

## 12.5. Results of PBT and vPvB assessment

### General information

There are no data available on the mixture itself.

## 12.6. Other adverse effects

### General information

There are no data available on the mixture itself.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Do not allow to enter drains or water courses.

Residues in empty containers should be neutralised with decontaminant (see section 6).

Wastes and emptied containers should be classified in accordance with relevant national regulation.

The European Waste Catalogue classification of this product, when disposed of as waste is

EWC waste code 08 03 12\* waste ink containing dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

#### Disposal recommendations for packaging

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Not emptied containers are hazardous waste (waste code number 150110).

## **SECTION 14: Transport information**

Safety data sheet in accordance with regulation (EC) No 1907/2006



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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	1263	1263	1263
14.2. UN proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Remarks	The product is viscous; non-dangerous good in Containers with not more than 450 ltrs.	Transport according to 2.3.2.5 of the IMDG Code	
Limited Quantity	5 l		
Transport category	3		
14.5. Environmental hazards	-	no	-

**Information for all modes of transport**

**14.6. Special precautions for user**

Transport within the user's premises:  
Always transport in closed containers that are upright and secure.  
Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Other information**

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

no

**SECTION 15: Regulatory information**

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

**Major-accident categories acc. 96/82/EC**

Category 6 Flammable 5.000.000 kg 50.000.000 kg

**VOC**

VOC (EU) 33 %  
VOC (EU) 379,5 g/l

**Restriction according to annex XVII to regulation (EU) No 1907/2006**

74. Diisocyanates. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless: the employer or



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self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).

### Other information

The product does not contain substances of very high concern (SVHC).

### Other information

All components are contained in the TSCA inventory or exempted.  
 All components are contained in the AICS inventory.  
 All components are contained in the PICCS inventory.  
 All components are contained in the DSL inventory.  
 All components are contained in the IECSC inventory.  
 All components are contained in the ENCS inventory.  
 All components are contained in the ECL inventory.  
 All components are contained in the NZIOC inventory.

## 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Training advice according to annex XVII to regulation (EU) No 1907/2006

74. Diisocyanates. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.

### Hazard statements listed in Chapter 3

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal 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.
H412	Harmful to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Acute Tox. 2	Acute toxicity, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.  
 The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

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The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.