

## SAFETY DATA SHEET

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



We create chemistry

### C-H-200 1L 1L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 10.05.2024
2.0	03.02.2025	000000000050735 103	Date of first issue: 10.10.2023

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

### 1.1 Product identifier

Trade name : C-H-200 1L 1L Steel drums

Product code : 000000000050735103

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

Use of the : Spraying  
Substance/Mixture hardener

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

**Company:**

BASF Coatings GmbH  
Postfach 6123  
48136 Münster  
Deutschland

**Contact address:**

BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
United Kingdom

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Telephone: +44 161 475 3000  
E-mail address: product-safety-uk-and-ireland@basf.com

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#### 1.4 Emergency telephone

International emergency number:  
Telephone: +49 180 2273-112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.

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#### 2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal Word : Warning

Hazard Statements	:	H226	Flammable liquid and vapor.
		H317	May cause an allergic skin reaction.
		H335	May cause respiratory irritation.
		H336	May cause drowsiness or dizziness.

Supplemental Hazard Statements	:	EUH066	Repeated exposure may cause skin dryness or cracking.
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#### Precautionary Statements

:

#### Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing mist or vapors.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

#### Response:

- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

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Hazardous ingredients which must be listed on the label:

n-Butyl acetate

Hexamethylen-1,6-diisocyanat Homopolymer

IPDI Homopolymer

xylene

#### Additional Labeling

EUH204      Contains isocyanates. May produce an allergic reaction.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature                      : polyisocyanate  
   organic solvent

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**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
n-Butyl acetate	123-86-4 204-658-1 607-025-00-1 UK-20- 9702550300-0- 0000 UK-20- 0537843089-5- 0000 UK-20-	Flam. Liq. 3; H226  STOT SE 3; H336  (Central nervous system)	>= 25 - < 50

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	9642318150-0-0000		
Hexamethylen-1,6-diisocyanat Homopolymer	28182-81-2 500-060-2 01-2119485796-17	Acute Tox. 4; H332  Skin Sens. 1; H317  STOT SE 3; H335  (Respiratory system)	>= 25 - < 50
IPDI Homopolymer	53880-05-0 500-125-5 01-2119980716-25	Acute Tox. 4; H332  Skin Sens. 1; H317  STOT SE 3; H335  (Respiratory system)	>= 7 - < 10
xylene	1330-20-7	Flam. Liq. 3; H226  Acute Tox. 4;	>= 3 - < 5

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	215-535-7	H332	
	601-022-00-9	Acute Tox. 4;	
	UK-20-	H312	
	2749242067-7-	Skin Irrit. 2; H315	
	0000	Eye Irrit. 2; H319	
	UK-20-	STOT SE 3; H335	
	9702550300-0-	(Respiratory	
	0000	system)	
	UK-20-	STOT RE 2; H373	
	0537843089-5-	(Kidney, Liver,	
	0000	Central nervous	
	UK-20-	system)	
	9642318150-0-	Asp. Tox. 1; H304	
	0000	Aquatic	
		Chronic 3; H412	
1-methoxy-2-propylacetate	108-65-6	Flam. Liq. 3; H226	>= 3 - < 5
	203-603-9	STOT SE 3; H336	



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	607-195-00-7 UK-20- 9702550300-0- 0000  UK-20- 0537843089-5- 0000  UK-20- 9642318150-0- 0000	(Central nervous system)	
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For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

General advice : First aid personnel should pay attention to their own safety.  
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).  
Immediately remove contaminated clothing.  
In all cases of doubt, or when symptoms persist, seek

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medical attention.

Move out of dangerous area.

Never give anything by mouth to an unconscious person.

- |                         |  |
|-------------------------|--|
| If inhaled              | : If symptoms persist, call a physician.<br><br>If breathed in, move person into fresh air.<br><br>If breathing is irregular or stopped, administer artificial respiration.    |
| In case of skin contact | : Call a physician immediately.<br><br>In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. |
| In case of eye contact  | : If symptoms persist, call a physician.<br><br>In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids,                |

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for at least 15 minutes.

If swallowed : Do not induce vomiting due to aspiration hazard.

Keep at rest.

If symptoms persist, call a physician or Poison Control  
Center immediately.

Rinse mouth with water.

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

Symptoms : Information, i.e. additional information on symptoms  
and effects may be included in the GHS labeling phrases  
available in Section 2 and in the Toxicological  
assessments available in Section 11.

Risks : May cause an allergic skin reaction.  
May cause respiratory irritation.

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May cause drowsiness or dizziness.

Repeated exposure may cause skin dryness or cracking.

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

Treatment : No known specific antidote.  
Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Water spray jet  
Dry powder  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire : Fire will produce dense black smoke containing  
fighting hazardous combustion products (see section 10).

Hazardous combustion : Nitrogen oxides (NO<sub>x</sub>)  
products

#### 5.3 Advice for firefighters

Special protective : Appropriate breathing apparatus may be required.  
equipment for fire-fighters

Further information : In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water  
must be disposed of in accordance with local  
regulations.

Collect contaminated fire extinguishing water separately.  
This must not be discharged into drains.

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## SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.

Keep away from sources of ignition.

Advice on product handling can be found in sections 7  
and 8 of this safety data sheet.

For non-emergency personnel:

For emergency responders:

Use personal protective equipment.

Ensure adequate ventilation, especially in confined  
areas.

### 6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the  
environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains

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inform respective authorities.

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

Methods for 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): ethanol or isopropyl alcohol (50 parts); water (45 parts); concentrated 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 the waste regulations (see section 13).

Ensure adequate ventilation.

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#### 6.4 Reference to other sections

For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8.  
Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency



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shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Open drum carefully as content may be under pressure.

Do not breathe vapors or spray mist.

Protect from moisture.

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. The relevant fire protection measures should be noted. Use explosion-proof equipment. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of

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workday. Keep away from food, drink and animal feedingstuffs.

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

Further information on storage conditions : Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Exercise caution when opening to allow pressure release. Precautions should be taken to minimise exposure to atmospheric humidity or water: carbon dioxide will be formed which in closed containers can result in pressurisation. Always keep in containers of same material as the original one. Observe label precautions.

Advice on common storage : Keep away from oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohols and water. Uncontrolled exothermic reactions occur with amines and alcohols. The product reacts with water resulting in evolution of carbon dioxide. In closed containers, pressure build up could result in distortion, blowing and

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in extreme cases bursting of the container.

#### 7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further  
information.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
n-Butyl acetate	123-86-4	TWA	150 ppm 724 mg/m <sup>3</sup>	GB EH40
		STEL	200 ppm 966 mg/m <sup>3</sup>	GB EH40

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		STEL	150 ppm 723 mg/m3	2019/1831/ EU
	Further information: Indicative			
		TWA	50 ppm 241 mg/m3	2019/1831/ EU
	Further information: Indicative			
Hexamethylen- 1,6-diisocyanat Homopolymer	28182-81-2	TWA	0.02 mg/m3 (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			
		STEL	0.07 mg/m3 (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			
xylene	1330-20-7	TWA	50 ppm 220 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned			

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	substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	100 ppm 441 mg/m <sup>3</sup>	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		TWA	50 ppm 221 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
1-methoxy-2-propylacetate	108-65-6	TWA	50 ppm	GB EH40

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			274 mg/m3	
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	100 ppm 548 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	100 ppm 550 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 275 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			

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#### Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
Hexamethylen-1,6-diisocyanat Homopolymer	28182-81-2	isocyanate-derived diamine (Isocyanates): 1 µmol/mol creatinine  (Urine)	At the end of the period of exposure	GB EH40 BAT
xylene	1330-20-7	methyl hippuric acid: 650 Millimoles per mole creatinine  (Urine)	After shift	GB EH40 BAT

#### 8.2 Exposure controls

##### Engineering measures

Ensure adequate ventilation.

##### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

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Required when there is a risk of eye contact.

#### Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective



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index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Skin and body protection : chemical-resistant disposable coveralls

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Respiratory protection : Suitable respiratory equipment:

full face mask with AB2P3 class combination filter

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily

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accessible.

Under cool dry conditions, it is possible for the isocyanate to remain unreacted in the paint film for up to 30 hours after application.

Respiratory protective equipment should be worn by spray booth operatives.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Color	: colorless
Odor	: specific
pH	: substance/mixture reacts with water

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Melting point/ range : not determined

Boiling point/boiling range : 124 - 181 °C Method: calculated

Flash point : 31 °C  
Method: ISO 3679

Upper explosion limit / : not determined  
Upper flammability limit

Lower explosion limit / : > 35 g/m<sup>3</sup>  
Lower flammability limit

Vapor pressure : 10.0000 hPa (20 °C)  
Method: other (calculated)

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(50 °C)

not determined

Relative vapor density : Heavier than air.

Density : 0.991 g/cm<sup>3</sup> (20 °C)

Solubility(ies)  
Water solubility : not determined

Partition coefficient: n-  
octanol/water : not applicable for mixtures

Autoignition temperature : > 200 °C

Decomposition  
temperature : No decomposition if stored and handled as  
prescribed/indicated.

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Viscosity  
Viscosity, kinematic : 220.0 mm<sup>2</sup>/s (23 °C)

(40 °C)

not determined

Flow time : > 32 s at 23 °C  
Cross section: 6 mm  
Method: ISO 2431

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2 Other information

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Flammability (liquids) : Flammable liquid and vapour.

Self-heating substances : The substance or mixture is not classified as self heating.

Metal corrosion rate : Not corrosive to metals.

Particle size : The substance / product is marketed or used in a non solid or granular form.

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

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#### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

Heat.

Avoid direct contact with water.

Avoid direct sunlight.

Heat, flames and sparks.

#### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohols and water. Uncontrolled exothermic reactions occur with amines and alcohols. The product reacts with water resulting in evolution of carbon dioxide. In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.

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#### 10.6 Hazardous decomposition products

Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (hydrocyanic acid)  
Isocyanates

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Not classified due to lack of data.

##### Product:

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h

Test atmosphere: vapor

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

##### Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.



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#### Components:

##### **n-Butyl acetate:**

Result : Repeated exposure may cause skin dryness or cracking.

#### **Serious eye damage/eye irritation**

Not classified due to lack of data.

#### **Respiratory or skin sensitization**

##### **Skin sensitization**

May cause an allergic skin reaction.

##### **Respiratory sensitization**

Not classified due to lack of data.

##### **Germ cell mutagenicity**

Not classified due to lack of data.

##### **Carcinogenicity**

Not classified due to lack of data.

##### **Reproductive toxicity**

Not classified due to lack of data.

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

May cause respiratory irritation.

May cause drowsiness or dizziness.

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

Not classified due to lack of data.

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#### Aspiration toxicity

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

#### Product:

No aspiration toxicity classification

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### n-Butyl acetate:

Partition coefficient: n- : Pow: 200 (25 °C)  
octanol/water log Pow: 2.3 (25 °C)

pH: 7

Method: OECD Test Guideline 117

GLP: yes

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#### Hexamethylen-1,6-diisocyanat Homopolymer:

Partition coefficient: n- : log Pow: 9.81 (25 °C)  
octanol/water

#### xylene:

Partition coefficient: n- : log Pow: 3.12 - 3.20 (25 °C)  
octanol/water

GLP: no

Remarks: Information taken from reference works and  
the literature.

#### 1-methoxy-2-propylacetate:

Partition coefficient: n- : log Pow: 1.2 (20 °C)  
octanol/water

pH: 6.8

Method: OECD Test Guideline 117

GLP: yes

#### 12.4 Mobility in soil

No data available

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#### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

**Product:**

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product : Dispose of isocyanate waste in dry containers and never mix together with other wastes (reaction, dangerous pressure build up).

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Do not discharge into drains/surface  
waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be  
disposed pursuant to Directive 2008/98/EC

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

Packaging that is not properly emptied must be disposed  
of as the unused product.

## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 1866

ADR : UN 1866

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RID : UN 1866

IMDG : UN 1866

IATA : UN 1866

#### 14.2 UN proper shipping name

ADN : RESIN SOLUTION

ADR : RESIN SOLUTION

RID : RESIN SOLUTION

IMDG : RESIN SOLUTION

IATA : RESIN SOLUTION

#### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 3	
ADR	: 3	

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**RID** : 3

**IMDG** : 3

**IATA** : 3

#### 14.4 Packing group

##### **ADN**

Packing group : III

Classification Code : F1

Hazard Identification  
Number : 30

Labels : 3

##### **ADR**

Packing group : III

Classification Code : F1

Hazard Identification  
Number : 30

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Labels	: 3
Tunnel restriction code	: (D/E)

#### RID

Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3

#### IMDG

Packing group	: III
Labels	: 3
EmS Code	: F-E, <u>S-E</u>

#### IATA (Cargo)

Packing instruction (cargo aircraft)	: 366
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Packing instruction (LQ)	: Y344
Packing group	: III
Labels	: Flammable Liquids

#### **IATA (Passenger)**

Packing instruction (passenger aircraft)	: 355
Packing instruction (LQ)	: Y344
Packing group	: III
Labels	: Flammable liquid

#### **14.5 Environmental hazards**

##### **ADN**

Environmentally hazardous	: no
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##### **ADR**

Environmentally	: no
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hazardous

#### RID

Environmentally : no  
hazardous

#### IMDG

Marine pollutant : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the  
following entries should be

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considered:

Number on list 3, 20

Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EC) on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

P5c

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Control of Major Accident Hazards  
Regulations 2015 (COMAH)

P5c FLAMMABLE LIQUIDS

Volatile organic compounds : Volatile organic compounds (VOC) content: 544 g/l

Directive 2010/75/EU of 24 November 2010 on  
industrial emissions (integrated pollution prevention and  
control)

Volatile organic compounds (VOC) content: 54.98 %

#### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999  
(requirements relating to new and expectant mothers at work contained in Regulation  
16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999  
(requirements relating to protection of young people at work contained in Regulation

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19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB:

dropped

Limit value for maximum VOC content as specified in Annex IIB:

dropped

#### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

### SECTION 16: Other information

#### Full text of H-Statements

H226	: Flammable liquid and vapor.
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.

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H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H373	: May cause damage to organs through prolonged or repeated exposure.
H412	: Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitization
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a

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first list of indicative occupational exposure limit values

2019/1831/EU	:	Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT	:	UK. Biological monitoring guidance values
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
2019/1831/EU / TWA	:	Limit Value - eight hours
2019/1831/EU / STEL	:	Short term exposure limit
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule;

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ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

Other information : For multi-pack systems observe material safety data sheets of all components.  
Restricted to professional users.



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#### Classification of the mixture:

Flam. Liq. 3                      H226

Skin Sens. 1                      H317

STOT SE 3                        H336

STOT SE 3                        H335

#### Classification procedure:

Based on product data or  
assessment

Calculation method

Calculation method

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / EN