

## SAFETY DATA SHEET

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



We create chemistry

### A-H-420 2,5L 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 13.09.2024
2.0	05.01.2025	000000000050675 848	Date of first issue: 05.09.2024

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

### 1.1 Product identifier

Trade name : A-H-420 2,5L 2,5L Steel jerricans

Product code : 000000000050675848

### 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)

Acute toxicity, Category 4	H332: Harmful if inhaled.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.

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Long-term (chronic) aquatic hazard,  
Category 3

H412: Harmful to aquatic life with long lasting  
effects.

#### 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

:	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H332	Harmful if inhaled.
	H335	May cause respiratory irritation.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H412	Harmful to aquatic life with long lasting

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effects.

Precautionary Statements	:	<b>Prevention:</b>
		P260 Do not breathe mist or vapors.
		P273 Avoid release to the environment.
		P280 Wear protective gloves/ eye protection/ face protection.
		<b>Response:</b>
		P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
		P314 Get medical advice/ attention if you feel unwell.
		P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

Hazardous ingredients which must be listed on the label:

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Hexamethylen-1,6-diisocyanat Homopolymer

isophorone diisocyanate (IPDI) polymer

Benzoic acid

1,6-hexamethylene diisocyanate

#### 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.

### 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)
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)	>= 75 - <= 100
Hydrocarbons, C9, aromatics	64742-95-6 265-199-0 UK-20- 0537843089-5-	Flam. Liq. 3; H226  STOT SE 3; H336 (Central nervous system)	>= 3 - < 5

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	0000	STOT SE 3; H335  (Respiratory system)  Asp. Tox. 1; H304  Aquatic Chronic 2; H411	
2-heptanone	110-43-0  203-767-1  606-024-00-3  UK-20- 0537843089-5- 0000	Flam. Liq. 3; H226  Acute Tox. 4; H302  Acute Tox. 4; H332  STOT SE 3; H336  (Central nervous system)	>= 3 - < 5
isophorone diisocyanate (IPDI) polymer	53880-05-0  500-125-5  01-2119488734-24	Skin Sens. 1; H317  STOT SE 3; H335	>= 2.5 - < 3

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		(Respiratory system)	
Benzoic acid	65-85-0	Skin Irrit. 2; H315	>= 1 - < 2
	200-618-2	Eye Dam. 1; H318	
	607-705-00-8	STOT RE 1; H372	
	UK-20-9702550300-0-0000	(lung)	
2-butoxyethyl acetate	UK-20-0537843089-5-0000		>= 1 - < 2
	UK-20-9642318150-0-0000		
	112-07-2	Acute Tox. 4; H302	
	203-933-3	Acute Tox. 4; H332	
	607-038-00-2		
	UK-20-		



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	0537843089-5-0000  UK-20-9642318150-0-0000	Acute Tox. 4; H312	
1,6-hexamethylene diisocyanate	822-06-0 212-485-8 615-011-00-1 UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Acute Tox. 4; H302  Acute Tox. 1; H330  Skin Irrit. 2; H315 Eye Irrit. 2; H319  Resp. Sens. 1; H334  Skin Sens. 1; H317  STOT SE 3; H335  (Respiratory system)	< 0.1

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		<div>specific concentration limit</div> <div>Resp. Sens. 1; H334</div> <div>&gt;= 0.5 %</div> <div>Skin Sens. 1; H317</div> <div>&gt;= 0.5 %</div>	
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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 : Never give anything by mouth to an unconscious person.  
Move out of dangerous area.  
In all cases of doubt, or when symptoms persist, seek  
medical attention.

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Immediately remove contaminated clothing.  
If the patient is likely to become unconscious, place and  
transport in stable sideways position (recovery position).  
First aid personnel should pay attention to their own  
safety.

If inhaled	: If breathed in, move person into fresh air.  If breathing is irregular or stopped, administer artificial respiration.  If symptoms persist, call a physician.
In case of skin contact	: Call a physician immediately.  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	: Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an

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eye specialist.

Call a physician immediately.

If easy to do, remove contact lens, if worn.

If swallowed

: Rinse mouth with water.

Do not induce vomiting due to aspiration hazard.

Keep at rest.

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

#### 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.

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Risks : May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.

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

Treatment : Treat symptomatically.  
No known specific antidote.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

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

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Unsuitable extinguishing media : High volume water jet

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

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

#### 5.3 Advice for firefighters

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

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.

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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.

For non-emergency personnel:

Use personal protective equipment.

Ensure adequate ventilation, especially in confined areas.

Keep away from sources of ignition.

For emergency responders:

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

### 6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains

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inform respective authorities.

Avoid subsoil penetration.

Do not allow uncontrolled discharge of product into the  
environment.

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

Methods for cleaning up : Ensure adequate ventilation.

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



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waste regulations (see section 13).

#### 6.4 Reference to other sections

For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Open drum carefully as content may be under pressure.

Protect from moisture.

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.

Provide good ventilation of working area (local exhaust ventilation if necessary).

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Do not return residues to the storage containers.

Do not breathe vapors or spray mist.

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

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion : The relevant fire protection measures should be noted. 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. Use explosion-proof equipment. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.

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Hygiene measures : Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

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

Further information on storage conditions : Avoid direct sunlight.

Keep in a cool, well-ventilated place. 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 pressurisation. Always keep in containers of same material as the original one. Observe label precautions.

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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 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	Control parameters	Basis
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		exposure)		
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.			
2-heptanone	110-43-0	STEL	100 ppm 475 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.			
		TWA	50 ppm 237 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal			

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	absorption will lead to systemic toxicity.			
		TWA	50 ppm 238 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 475 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
2-butoxyethyl acetate	112-07-2	TWA	20 ppm 133 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	50 ppm 332 mg/m3	GB EH40

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	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	50 ppm 333 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	20 ppm 133 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
1,6-hexamethylene diisocyanate	822-06-0	TWA	0.02 mg/m3 (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			
		STEL	0.07 mg/m3 (NCO)	GB EH40

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Further information: Capable of causing occupational asthma.

#### 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
1,6-hexamethylene diisocyanate	822-06-0	isocyanate-derived diamine (Isocyanates): 1 µmol/mol creatinine (Urine)	At the end of the period of exposure	GB EH40 BAT

#### 8.2 Exposure controls

##### Engineering measures

Ensure adequate ventilation.



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#### Personal protective equipment

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:

Protective measures : If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapour/spray.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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Appearance	:	liquid
Color	:	colorless
Odor	:	No data available
pH	:	substance/mixture is non-soluble (in water)
Melting point/ range	:	not determined
	:	150.00 °C
Flash point	:	64 °C
		Method: ISO 3679
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m <sup>3</sup>

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Vapor pressure : 6.0000 hPa (20 °C)

(50 °C)

not determined

Relative vapor density : Heavier than air.

Density : 1.110 g/cm<sup>3</sup>

Solubility(ies)  
Water solubility : not determined

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

Autoignition temperature : > 200 °C

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

Viscosity  
Viscosity, kinematic : (40 °C)  
  
not determined  
  
80.3 mm<sup>2</sup>/s (23 °C)

Flow time : > 60 s  
  
Cross section: 4 mm

Explosive properties : Not explosive

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

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#### 9.2 Other information

Flammability (liquids) : Combustible liquid.

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.

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## 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

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Hazardous reactions : Vapours may form ignitable mixture with air.

#### 10.4 Conditions to avoid

Conditions to avoid : Heat.

Avoid direct contact with water.

Protect from frost.

Heat, flames and sparks.

Avoid direct sunlight.

#### 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

No decomposition if stored and applied as directed.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Harmful if inhaled.

##### Product:

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

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 13.27 mg/l  
Exposure time: 4 h

Test atmosphere: vapor

Method: Calculation method

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

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Method: Calculation method

#### Components:

##### **2-heptanone:**

Acute oral toxicity : LD50 (Rat): 1,600 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16.7 mg/l  
Exposure time: 4 h

Test atmosphere: vapor

##### **2-butoxyethyl acetate:**

Acute oral toxicity : LD50 (Rat): 1,880 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1,500 mg/kg

#### **Skin corrosion/irritation**

Not classified due to lack of data.



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

Causes serious eye irritation.

#### **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.

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

May cause damage to organs through prolonged or repeated exposure.

##### **Aspiration toxicity**

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

##### **Product:**

No aspiration toxicity classification

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## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

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

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

##### Hydrocarbons, C9, aromatics:

Partition coefficient: n- : log Pow: 3.17  
octanol/water  
GLP: no

##### 2-heptanone:

Partition coefficient: n- : log Pow: 2.26 (30 °C)  
octanol/water  
pH: 7

Method: Regulation (EC) No. 440/2008, Annex, A.8

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GLP: yes

**Benzoic acid:**

Partition coefficient: n-  
octanol/water : log Pow: 1.88

**2-butoxyethyl acetate:**

Partition coefficient: n-  
octanol/water : log Pow: 1.51 (25 °C)

pH: 7

Method: OECD Test Guideline 107

GLP: no

#### 12.4 Mobility in soil

No data available

#### 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

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(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).

---

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product : Observe national and local legal requirements.

Do not discharge into drains/surface  
waters/groundwater.

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

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

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).

## SECTION 14: Transport information

### 14.1 UN number

ADN	: Not regulated as a dangerous good
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good

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IATA	: Not regulated as a dangerous good
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#### 14.2 UN proper shipping name

ADN	: Not regulated as a dangerous good
-----	-------------------------------------

ADR	: Not regulated as a dangerous good
-----	-------------------------------------

RID	: Not regulated as a dangerous good
-----	-------------------------------------

IMDG	: Not regulated as a dangerous good
------	-------------------------------------

IATA	: Not regulated as a dangerous good
------	-------------------------------------

#### 14.3 Transport hazard class(es)

ADN	: Not regulated as a dangerous good
-----	-------------------------------------

ADR	: Not regulated as a dangerous good
-----	-------------------------------------

RID	: Not regulated as a dangerous good
-----	-------------------------------------

IMDG	: Not regulated as a dangerous good
------	-------------------------------------

IATA	: Not regulated as a dangerous good
------	-------------------------------------

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#### 14.4 Packing group

ADN	: Not regulated as a dangerous good
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA (Cargo)	: Not regulated as a dangerous good
IATA (Passenger)	: Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

#### 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

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

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

Control of Major Accident Hazards Regulations 2015 (COMAH)	34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel)
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fuels, home heating oils and  
gas oil blending streams),(d)  
heavy fuel oils (e) alternative  
fuels serving the same  
purposes and with similar  
properties as regards  
flammability and  
environmental hazards as the  
products referred to in points  
(a) to (d)

Volatile organic compounds : Volatile organic compounds (VOC) content: 188 g/l

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

Volatile organic compounds (VOC) content: 15.45 %

**Other regulations:**

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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  
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.

H302 : Harmful if swallowed.

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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.
H318	: Causes serious eye damage.
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.
H372	: Causes damage to organs through prolonged or repeated exposure if inhaled.
H411	: Toxic to aquatic life with long lasting effects.

**Full text of other abbreviations**

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Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Resp. Sens.	: Respiratory sensitization
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 first list of indicative occupational exposure limit values
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT	: UK. Biological monitoring guidance values

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2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / 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; AIIIC - 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; 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

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(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.

#### Classification of the mixture:

Acute Tox. 4	H332
Eye Irrit. 2	H319
Skin Sens. 1	H317
STOT SE 3	H335
STOT RE 2	H373

#### Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

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Aquatic Chronic 3

H412

Calculation method

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GB / EN