

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005 17	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	:	50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans
Product code	:	000000000050400517
Unique Formula Identifier (UFI)	:	VH45-K06P-G00Q-V42U

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

Use of the Substance/Mixture	:	Spraying hardener Spraying
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#### 1.3 Details of the supplier of the safety data sheet

**Company:**

BASF Coatings France SAS  
Z.I de Breuil-Le-Sec, Rue André Pomery  
60480 Breuil-Le-Sec  
France

**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

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### 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)

# SAFETY DATA SHEET

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



We create chemistry



## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005	Date of first issue: 10.10.2023
		17	

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Acute toxicity, Category 4	H332: Harmful if inhaled.
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 - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
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	:	H226 Flammable liquid and vapor. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements	:	<b>Prevention:</b> P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing mist or vapors. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. <b>Response:</b> P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous ingredients which must be listed on the label:  
Hexamethylen-1,6-diisocyanat Homopolymer

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

2-heptanone  
2-butoxyethyl acetate  
1,6-hexamethylene diisocyanate

### 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 : organic solvent  
polyisocyanate

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hexamethylen-1,6-diisocyanat Homopolymer	28182-81-2  01-2119485796-17	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system)	>= 50 - < 75
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)	>= 20 - < 25
1-methoxy-2-propylacetate	108-65-6 203-603-9 607-195-00-7 UK-20-9702550300-0-0000 UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 7 - < 10
2-butoxyethyl acetate	112-07-2 203-933-3	Acute Tox. 4; H302 Acute Tox. 4; H332	>= 7 - < 10

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

	607-038-00-2 UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Acute Tox. 4; H312	
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6 918-668-5 UK-20-0537843089-5-0000	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411	$\geq 3 - < 5$
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) <hr/> specific concentration limit Resp. Sens. 1; H334 $\geq 0.5\%$ Skin Sens. 1; H317 $\geq 0.5\%$	$< 0.1$

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.

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005	Date of first issue: 10.10.2023
		17	

In all cases of doubt, or when symptoms persist, seek medical attention.

Move out of dangerous area.

Never give anything by mouth to an unconscious person.

- If inhaled : If symptoms persist, call a physician.  
If breathed in, move person into fresh air.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : If symptoms persist, call a physician.  
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
Do NOT use solvents or thinners.
- In case of eye contact : If symptoms persist, call a physician.  
In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If swallowed : If symptoms persist, call a physician.  
Do NOT induce vomiting.  
Rinse mouth.

### 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.  
Harmful if inhaled.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.

### 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

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005	Date of first issue: 10.10.2023
		17	

Dry powder

Alcohol-resistant foam

Carbon dioxide (CO<sub>2</sub>)

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 : Cool containers/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.

## 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 inform respective authorities.

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005	Date of first issue: 10.10.2023
		17	

### 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.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 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 shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

Advice on protection against fire and explosion : Do not breathe vapors or spray mist.  
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. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted. Use explosion-proof equipment. 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 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. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep in a dry, cool and well-ventilated place.

Keep away from heat. Store protected against freezing.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature : 5.00 - 35.00 °C

Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

### 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
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# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

Hexamethylen-1,6-diisocyanat Homopolymer	28182-81-2	TWA	0.02 mg/m <sup>3</sup> (NCO)	GB EH40
Further information: Capable of causing occupational asthma.				
		STEL	0.07 mg/m <sup>3</sup> (NCO)	GB EH40
Further information: Capable of causing occupational asthma.				
2-heptanone	110-43-0	STEL	100 ppm 475 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 237 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 238 mg/m <sup>3</sup>	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
		STEL	100 ppm 475 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 274 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.				
		STEL	100 ppm 548 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.				
		STEL	100 ppm 550 mg/m <sup>3</sup>	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
		TWA	50 ppm 275 mg/m <sup>3</sup>	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/m <sup>3</sup>	GB EH40

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

	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/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.			
		STEL	50 ppm 333 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	20 ppm 133 mg/m <sup>3</sup>	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/m <sup>3</sup> (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			
		STEL	0.07 mg/m <sup>3</sup> (NCO)	GB EH40
	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.

#### Personal protective equipment

Eye/face protection : Required when there is a risk of eye contact.  
Safety glasses with side-shields conforming to EN166

Hand protection

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

- Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. butyl rubber gloves - material thickness: 0.5 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 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 : Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres. chemical-resistant disposable coveralls
- Respiratory protection : Suitable respiratory equipment:  
full face mask with AB2P3 class combination filter  
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Protective measures : Do not breathe vapour/spray.  
Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005	Date of first issue: 10.10.2023
		17	

workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9: Physical and chemical properties

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

Appearance : liquid  
Color : colorless  
Odor : ketone-like  
pH : substance/mixture is non-polar/aprotic

Melting point/ range : not determined

Boiling point/boiling range : not determined

Flash point : 45 °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>

Vapor pressure : not determined (20 °C)  
not determined (50 °C)

Density : 1.014 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.

Viscosity

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005 17	Date of first issue: 10.10.2023

Viscosity, kinematic : 7.3 mm<sup>2</sup>/s (23 °C)  
not determined (40 °C)

Flow time : > 30 s at 23 °C  
Cross section: 3 mm  
Method: ISO 2431

Explosive properties : Not explosive

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

### 9.2 Other information

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.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid direct sunlight.  
Protect from frost.  
  
Heat, flames and sparks.  
Heat.

### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005	Date of first issue: 10.10.2023
		17	

strongly acid materials in order to avoid exothermic reactions.

### 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: 13.86 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

#### 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**

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

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

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

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

May cause respiratory irritation.

May cause drowsiness or dizziness.

#### STOT-repeated exposure

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

#### 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:

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

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

##### 2-heptanone:

Partition coefficient: n- : log Pow: 2.26 (30 °C)

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

octanol/water      pH: 7  
Method: Regulation (EC) No. 440/2008, Annex, A.8  
GLP: yes

### 1-methoxy-2-propylacetate:

Partition coefficient: n-octanol/water      : log Pow: 1.2 (20 °C)  
pH: 6.8  
Method: OECD Test Guideline 117  
GLP: yes

### 2-butoxyethyl acetate:

Partition coefficient: n-octanol/water      : log Pow: 1.51 (25 °C)  
pH: 7  
Method: OECD Test Guideline 107  
GLP: no

### Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):

Partition coefficient: n-octanol/water      : log Pow: 3.17  
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 (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) at levels of 0.1% or higher.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

Product : Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.

Contaminated packaging : 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  
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	
RID	: 3	
IMDG	: 3	
IATA	: 3	

#### 14.4 Packing group

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

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

### ADR

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
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, S-E

### IATA (Cargo)

Packing instruction (cargo aircraft) : 366  
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

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### 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.

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 0000000000504005      Date of last issue: 28.03.2025  
17      Date of first issue: 10.10.2023

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

Not applicable for product as supplied.

## 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 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)

Regulation (EU) No 2024/590 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) P5c FLAMMABLE LIQUIDS

34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel 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: 438 g/l

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

Volatile organic compounds (VOC) content: 44 %

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	0000000000504005	Date of first issue: 10.10.2023
		17	

### 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 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.
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.
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.
H411	:	Toxic 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
Resp. Sens.	:	Respiratory sensitization
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitization
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version 4.0      Revision Date: 13.10.2025      SDS Number: 000000000504005      Date of last issue: 28.03.2025  
Date of first issue: 10.10.2023  
17

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  
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 Standardization; 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 Organization 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, Authorization 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:**

**Classification procedure:**

# SAFETY DATA SHEET

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



We create chemistry

## 50-420 2,5L VOC Hardener Normal 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 28.03.2025
4.0	13.10.2025	000000000504005 17	Date of first issue: 10.10.2023

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Flam. Liq. 3	H226	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method
STOT SE 3	H336	Calculation method
Aquatic Chronic 3	H412	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.

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