

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	0000000000508527 77	Date of first issue: 25.04.2025

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

1.1 Product identifier

Trade name : P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans
Product code : 000000000050852777

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

Use of the Substance/Mixture : Spraying 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

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

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)

Serious eye damage, Category 1
Skin sensitization, Category 1
Specific target organ toxicity - single exposure, Category 3, Respiratory system

H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

SAFETY DATA SHEET

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



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Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527 Date of last issue: 07.06.2025
77 Date of first issue: 25.04.2025

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	:	Danger
Hazard Statements	:	H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Precautionary Statements	:	Prevention: P261 Avoid breathing mist or vapors. P280 Wear protective gloves/ eye protection/ face protection. Response: P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous ingredients which must be listed on the label:

HDI-Oligomer(Trimer)
Hydrophilic Polyisocyanate
4-toluenesulphonyl isocyanate

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.

SAFETY DATA SHEET

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



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77 Date of first issue: 25.04.2025

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

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
HDI-Oligomer(Trimer)	28182-81-2 01-2119485796-17	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system)	>= 25 - < 50
Hydrophilic Polyisocyanate	Not Assigned	Acute Tox. 4; H332 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412	>= 12.5 - < 15
4-toluenesulphonyl isocyanate	4083-64-1 223-810-8 615-012-00-7 01-2119980050-47	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 STOT SE 3; H335 (Respiratory system) specific concentration limit Eye Irrit. 2; H319 >= 5 % STOT SE 3; H335 >= 5 % Skin Irrit. 2; H315 >= 5 %	>= 0.2 - < 0.3

SAFETY DATA SHEET

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



We create chemistry

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Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	0000000000508527	Date of first issue: 25.04.2025
		77	

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 medical attention. Move out of dangerous area. Never give anything by mouth to an unconscious person.
- 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 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 swallowed, call a poison control center or doctor 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.

SAFETY DATA SHEET

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



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Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527
Date of last issue: 07.06.2025
Date of first issue: 25.04.2025
77

Risks : May cause an allergic skin reaction.
Causes serious eye damage.
May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No known specific antidote.
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray
Dry powder
Foam
Carbon dioxide (CO₂)

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).

Hazardous combustion products : Nitrogen oxides (NO_x)

5.3 Advice for firefighters

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

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Cool containers/tanks with water spray.

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.

SAFETY DATA SHEET

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



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Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	000000000508527 77	Date of first issue: 25.04.2025

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 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 : 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.

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 con-

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	000000000508527	Date of first issue: 25.04.2025

77

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.

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. 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.

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 : Keep away from heat. 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. Store protected against freezing.

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.

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527 Date of last issue: 07.06.2025
77 Date of first issue: 25.04.2025

Recommended storage temperature : 5 - 30 °C

Packaging material : Suitable material: Aluminum, Stainless steel 1.4301 (V2), 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
HDI-Oligomer(Trimer)	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.		
4-toluenesulphonyl isocyanate	4083-64-1	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.		

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
HDI-Oligomer(Trimer)	28182-81-2	isocyanate-derived diamine (Isocyanates): 1 µmol/mol creatinine (Urine)	At the end of the period of exposure	GB EH40 BAT
4-toluenesulphonyl isocyanate	4083-64-1	isocyanate-derived diamine (Isocyanates): 1 µmol/mol creatinine (Urine)	At the end of the period of exposure	GB EH40 BAT

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	0000000000508527	Date of first issue: 25.04.2025
		77	

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

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 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

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	0000000000508527 77	Date of first issue: 25.04.2025

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.

Persons with a history of allergies, asthma, recurrent or chronic respiratory disease must not be employed in any process in which this product is used. Persons using this product should undergo lung function tests at regular intervals.

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Color	: colorless
Odor	: ether-like
Odor Threshold	: not determined
pH	: substance/mixture reacts with water
Melting point/freezing point	: not determined
Boiling point/boiling range	: 185 - 195 °C Method: calculated
Flash point	: 94 °C Method: ISO 3679
Evaporation rate	: not determined
Upper explosion limit / Upper	: not determined

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527
Date of last issue: 07.06.2025
Date of first issue: 25.04.2025
77

flammability limit

Lower explosion limit / Lower flammability limit : > 35 g/m³

Vapor pressure : 1 hPa (20 °C)
Method: calculated
3 hPa (50 °C)
Method: calculated

Density : 1.100 g/cm³ (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

Viscosity, kinematic : 6 mm²/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) : hardly combustible

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.

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	0000000000508527 77	Date of first issue: 25.04.2025

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 contact with water.
Heat, flames and sparks.
Protect from frost.
Avoid direct sunlight.
Heat.

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.

10.6 Hazardous decomposition products

Nitrogen oxides (NO_x)
Hydrogen cyanide (hydrocyanic acid)
Isocyanates

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Product:

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

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	0000000000508527	Date of first issue: 25.04.2025
		77	

Test atmosphere: vapor
Method: Calculation method

Skin corrosion/irritation

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

Serious eye damage/eye irritation

Causes serious eye damage.

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.

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.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

HDI-Oligomer(Trimer):

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527 Date of last issue: 07.06.2025
77 Date of first issue: 25.04.2025

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

4-toluenesulphonyl isocyanate:

Partition coefficient: n-octanol/water : log Pow: 0.6 (30 °C)
Method: OECD Test Guideline 117
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

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

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

Contaminated packaging : 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.

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527 Date of last issue: 07.06.2025
77 Date of first issue: 25.04.2025

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
IATA : Not regulated as a dangerous good

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

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

Remarks : Not classified as dangerous in the meaning of transport regu-

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 07.06.2025
1.2	17.12.2025	0000000000508527 77	Date of first issue: 25.04.2025

lations.

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)	:	Not applicable
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)	:	Not applicable
Volatile organic compounds	:	Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 47.66 % Volatile organic compounds (VOC) content: 524.26 g/l VOC content excluding water

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.

SAFETY DATA SHEET

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



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Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527 Date of last issue: 07.06.2025
Date of first issue: 25.04.2025
77

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

H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 : May cause respiratory irritation.
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
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Resp. Sens. : Respiratory sensitization
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitization
STOT SE : Specific target organ toxicity - single exposure
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT : UK. Biological monitoring guidance values
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 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;

SAFETY DATA SHEET

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



We create chemistry

P-H-465 Waterborne Clearcoat Hardener 2,5L Steel jerricans

Version 1.2 Revision Date: 17.12.2025 SDS Number: 0000000000508527 Date of last issue: 07.06.2025
77 Date of first issue: 25.04.2025

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:
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	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