

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

### 1.1. Product identifier

Product name                      Rewmar Rapid Primer & DPM

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

Identified uses                      Floor Sealer

Uses advised against              No specific uses advised against are identified.

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

Supplier                              Rewmar Limited - Unit 51 Somers Road – Rugby - CV22 7DG    email: sales@rewmar.co.uk

### 1.4. Emergency telephone number

Emergency telephone              +44 0333 6001966 (9.00 to 17.00 hrs )

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification

Physical hazards                      Not Classified

Health hazards                      Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373

Environmental hazards              Not Classified

Classification (67/548/EEC or 1999/45/EC)

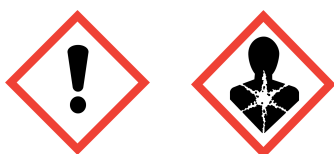
Xn;R20,R48/20. Carc. Cat. 3;R40. R42/43. Xi;R36/37/38.

Human health                        May cause sensitisation by inhalation.

Physicochemical                      The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

### 2.2. Label elements

Pictogram



Signal word                            Danger

Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
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.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements	<p>P260 Do not breathe vapour/spray.          P280 Wear protective gloves/protective clothing/eye protection/face protection.          P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.          P333+P313 If skin irritation or rash occurs: Get medical advice/attention.          P501 Dispose of contents/container in accordance with national regulations</p>
Supplemental label information	EUH204 Contains isocyanates. May produce an allergic reaction.
Contains	DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES), DIPHENYLMETHANE-4,4'-DI-ISOCYANATE
Supplementary precautionary statements	<p>P201 Obtain special instructions before use.          P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing vapour/spray.          P264 Wash contaminated skin thoroughly after handling.          P271 Use only outdoors or in a well-ventilated area.          P272 Contaminated work clothing should not be allowed out of the workplace. P284 [In case of inadequate ventilation] wear respiratory protection. P302+P352 IF ON SKIN: Wash with plenty of water.          P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.          P308+P313 IF exposed or concerned: Get medical advice/attention.          P312 Call a POISON CENTER/doctor if you feel unwell.          P314 Get medical advice/attention if you feel unwell.          P321 Specific treatment (see medical advice on this label).          P332+P313 If skin irritation occurs: Get medical advice/attention.          P337+P313 If eye irritation persists: Get medical advice/attention.          P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.          P362+P364 Take off contaminated clothing and wash it before reuse.          P403+P233 Store in a well-ventilated place. Keep container tightly closed.          P405 Store locked up</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)		60-100%
CAS number: 32055-14-4		REACH registration number: 01-2119457024-46-0006
<b>Classification</b> Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20,R48/20. Carc. Cat. 3;R40. Xi;R36/37/38. R42/43.	

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE		1-5%
CAS number: 101-68-8	EC number: 202-966- 0	REACH registration number: 01-2119457014-47
<b>Classification</b> Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373	Classification (67/548/EEC or 1999/45/EC) Xn;R20,R48/20. Carc. Cat. 3;R40. Xi;R36/37/38. R42/43.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First Aid measures

### 4.1. Description of first aid measures

General information	Remove affected person from source of contamination
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues
Ingestion	DO NOT induce vomiting. Get medical attention immediately
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure
Inhalation	Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure
Ingestion	May cause discomfort if swallowed
Skin contact	Prolonged skin contact may cause redness and irritation
Eye contact	Severe irritation, burning and tearing

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

Notes for the doctor	No specific recommendations
Specific treatments	Treat symptomatically

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog

Hazardous combustion products Do not use water jet as an extinguisher, as this will spread the fire

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

Specific hazards The product is non-combustible. Irritating gases or vapours. Not known

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen

#### 5.3. Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material

Special protective equipment for firefighters Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing

### SECTION 6: Accidental release measures

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

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

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

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions                      Store in closed original container at temperatures between 5°C and 25°C.  
 Storage class                                Chemical storage

7.3. Specific end use(s)

Specific end use(s)                        The identified uses for this product are detailed in Section 1.2.

**SECTION 8: Exposure Controls/personal protection**

8.1. Control parameters

Occupational exposure limits

DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Long-term exposure limit (8-hour TWA): WEL    0.07 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL    0.02 mg/m<sup>3</sup>

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL    0.02 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL    0.07 mg/m<sup>3</sup>(Sen)

WEL = Workplace Exposure Limit

Ingredient comments                      WEL = Workplace Exposure Limits

DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES) (CAS: 32055-14-4)

Ingredient comments                      WEL = Workplace Exposure Limits

DNEL  
 Workers - Dermal; Short term systemic effects: 50 mg/kg  
 Workers - Inhalation; Short term systemic effects: 0.1 mg/m<sup>3</sup>  
 Workers - Dermal; Short term local effects: 28.7 mg/cm<sup>2</sup>  
 Workers - Inhalation; Short term local effects: 0.1 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term systemic effects: 0.05 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 0.05 mg/m<sup>3</sup>  
 General population - Dermal; Short term systemic effects: 25 mg/kg  
 General population - Inhalation; Short term systemic effects: 0.05 mg/m<sup>3</sup>  
 General population - Oral; Short term systemic effects: 20 mg/kg  
 General population - Dermal; Short term local effects: 17.2 mg/cm<sup>2</sup>  
 General population - Inhalation; Short term local effects: 0.05 mg/m<sup>3</sup>  
 General population - Inhalation; Long term systemic effects: 0.025 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 0.025 mg/m<sup>3</sup>

PNEC  
 - Fresh water; 1 mg/l  
 - Marine water; 0.1 mg/l  
 - Soil; 1 mg/kg dry weight  
 - STP; 1 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Wear chemical splash goggles.
Hand protection	It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling. When using do not eat, drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.
Environmental exposure Controls	Keep container tightly sealed when not in use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Coloured liquid.
Colour	Various colours.
Odour	Musty (mouldy).
Odour threshold	Not available.
pH	Estimated value. pH (concentrated solution): 7-8
Melting point	<10°C
Initial boiling point and range	Flash point 330°C @ mbar
Flash point	>200°C CC (Closed cup).
Evaporation rate	slow
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Estimated value. : 0.6% - 11.5%
Other flammability	Not available.
Vapour pressure	0.01 Pa @ °C
Vapour density	8.5
Relative density	1.18

Bulk density	Not available.
Solubility(ies)	Insoluble in water. Hardens in contact with water.
Partition coefficient	Not available.
Auto-ignition temperature	>600°C
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity > 20.5 mm <sup>2</sup> /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive
Oxidising properties	Not available.
Comments	Information given is applicable to the product as supplied
9.2. Other information	
Other information	No information required.
Refractive index	Not available.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not available.
Saturation concentration	Not available.
Critical temperature	Not available.
Volatile organic compound	No information available

## SECTION 10: Stability and reactivity

10.1. Reactivity	
Reactivity	The product will harden into a solid mass in contact with water and moisture.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous reactions	
Possibility of hazardous reactions	Not applicable. May polymerise.
10.4. Conditions to avoid	
Conditions to avoid	Avoid contact with water.
10.5. Incompatible materials	
Materials to avoid	Strong oxidising agents.
10.6. Hazardous decomposition products	
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Toxicological effects	No information available
Other health effects	There is no evidence that the product can cause cancer

#### Acute toxicity – inhalation

ATE inhalation (gases ppm)	102,272.73
ATE inhalation (vapours mg/l)	11.65
ATE inhalation (dusts/mists mg/l)	1.59

#### Skin corrosion/irritation

Animal data Irritating.

#### Serious eye damage/irritation

Serious eye damage/irritation Moderately irritating.

#### Respiratory sensitisation

Respiratory sensitisation Sensitising.

#### Skin sensitisation

Skin sensitisation Not determined.

#### Carcinogenicity

Carcinogenicity Suspected carcinogen based on limited evidence.

Target organ for carcinogenicity

No specific target organs known.

#### Reproductive toxicity

Reproductive toxicity - fertility Not available.

Reproductive toxicity - development

This substance has no evidence of toxicity to reproduction.

#### Specific target organ toxicity - repeated exposure

STOT - repeated exposure Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction



Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.  
 General information No specific health hazards known\_

Inhalation Irritating to respiratory system. May cause sensitisation by inhalation.

Ingestion May cause stomach pain or vomiting.

Skin contact Irritating to skin. May cause sensitisation by skin contact.

Eye contact Irritation of eyes and mucous membranes.

Acute and chronic health hazards

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May cause sensitisation by skin contact. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. May cause respiratory system irritation. Frequent inhalation of vapours may cause respiratory allergy.

Route of entry Inhalation Skin and/or eye contact

Medical symptoms Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure

Medical considerations Chronic respiratory and obstructive airway diseases

Toxicological information on ingredients

DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

<u>Acute toxicity - oral</u>	10,000.0
Acute toxicity - oral(LD <sub>50</sub> mg/kg)	
Species	Rat
ATE oral (mg/kg)	10,000.0
<u>Acute toxicity – dermal</u>	
Acute toxicity dermal (LD <sub>50</sub> mg/kg)	9,400.0
Species	Rabbit
ATE dermal (mg/kg)	9,400.0
<u>Acute toxicity – inhalation</u>	
Acute toxicity inhalation (LC <sub>50</sub> vapours mg/l)	0.493
Species	Rat
Acute toxicity inhalation (LC <sub>50</sub> dust/mist mg/l)	0.31
Species	Rat

ATE inhalation (vapours mg/l)	11.0
ATE inhalation (dusts/mists mg/l)	1.5
<u>Skin corrosion/irritation</u>	
Animal data	Irritating
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Moderately irritating
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Sensitising
<u>Carcinogenicity</u>	
Carcinogenicity	Suspected carcinogen based on limited evidence
Target organ for carcinogenicity	No specific target organs known
<u>Reproductive toxicity</u>	
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction	
<u>Aspiration hazard</u>	
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure
Inhalation	Irritating to respiratory system. May cause sensitisation by inhalation
Ingestion	May cause stomach pain or vomiting
Skin contact	Irritating to skin. May cause sensitisation by skin contact
Eye contact	Irritation of eyes and mucous membranes
Acute and chronic health hazards	May cause sensitisation by skin contact. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. Frequent inhalation of vapours may cause respiratory allergy.
Route of entry	Inhalation Skin and/or eye contact
Medical symptoms	Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure
Medical considerations	Chronic respiratory and obstructive airway diseases

## SECTION 12 Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment

Ecological information on ingredients

### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Ecotoxicity The product is not expected to be hazardous to the environment.

#### 12.1. Toxicity

Acute toxicity - fish LC50, 96 hours, 96 hours: > 1000 mg/l, Freshwater fish  
 Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >500 mg/l, Daphnia magna  
 Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours, 72 hours: ~ 1640 mg/l, Scenedesmus subspicatus

Ecological information on ingredients

### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Acute toxicity - fish LC50, 96 hours, 96 hours: > 1000 mg/l, Freshwater fish  
 Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >500 mg/l, Daphnia magna  
 Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours, 72 hours: ~ 1640 mg/l, Scenedesmus subspicatus  
 Acute toxicity – microorganisms EC<sub>50</sub>, 3 hours: 100 mg/l, Activated sludge  
 Chronic toxicity – aquatic invertebrates NOEC, 21 days: 10 mg/l, Daphnia magna

#### 12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable  
 Stability (hydrolysis) Reacts with water

Biological oxygen demand < 10 g O<sub>2</sub> /g substance

Ecological information on ingredients

### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Persistence and degradability The product is not readily biodegradable  
 Stability (hydrolysis) Reacts with water  
 Biological oxygen demand < 10 g O<sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating
Partition coefficient	Not available

### Ecological information on ingredients

#### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating
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### 12.4. Mobility in soil

Mobility	The product is non-volatile
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### Ecological information on ingredients

#### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Mobility	The product is non-volatile
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### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB
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### Ecological information on ingredients

#### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB
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### 12.6. Other adverse effects

Other adverse effects	None known
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## SECTION 13 Disposal considerations

### 13.1. Waste treatment methods

General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority

## SECTION 14 Transport information

General	The product is not covered by international regulations on the transport of dangerous goods(IMDG, IATA, ADR/RID).
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### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

No transport warning sign required

14.4. Packing group

Not applicable

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code                      Not applicable

## SECTION 15 Regulatory information

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).  
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16 Other information

Issued by	Technical
Revision date	01/06/2015
Revision	2.0

Reason for Revision	CLP
Risk phrases in full	R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R40 Limited evidence of a carcinogenic effect. R42/43 May cause sensitisation by inhalation and skin contact. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. 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. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure
Store Between	Store Between 5'c - 25'c
Contains SVHC	No

The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used.