

SAFETY DATA SHEET

# Maskinrens 5 i 1

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

#### 1.1. Product identifier

Trade name

Maskinrens 5 i 1

Product no.

2951

Unique formula identifier (UFI)

9R8C-RUCF-1006-P1WJ

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

Relevant identified uses of the substance or mixture Rensemiddel

#### Use descriptors (UK REACH)

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC 35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC 28	Manual maintenance (cleaning and repair) of machinery
PROC 19	Hand-mixing with intimate contact and only PPE available
PROC 8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non- dedicated facilities
Environmental release category	Description
ERC 8a	Wide dispersive indoor use of processing aids in open systems
ERC 8b	Wide dispersive indoor use of reactive substances in open systems

Uses advised against None known.

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

Company and address Jysk Kemi Service A/S Gl. Struervej 50 7500 Holstebro Denmark +45 9740 3133 +45 9740 4846 www.jyskkemi.dk Contact person Rikke Hunskjær E-mail rikke@jyskkemi.dk Revision 12/06/2023 SDS Version 2.0 Date of previous version 28/09/2022 (1.0) 1.4. Emergency telephone number



Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law. Classified according to Regulation (EC) No. 1272/2008 (CLP).

#### 2.1. Classification of the substance or mixture

Skin Corr. 1; H314, Causes severe skin burns and eye damage. Eye Dam. 1; H318, Causes serious eye damage.

#### 2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Precautionary statement(s)

#### General

If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)

#### Prevention

Do not breathe vapour/mist. (P260)

Wear eye protection/face protection/protective gloves. (P280)

#### Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

#### Storage

Store locked up. (P405)

#### ▼ Disposal

Dispose of contents/container in accordance with local regulation. (P501)

#### Hazardous substances

orthophosphoric acid hydrogen chloride

▼ Additional labelling

UFI: 9R8C-RUCF-1006-P1WJ

#### 2.3. Other hazards

#### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

#### 3.1. ▼ Substances

Not applicable. This product is a mixture.

3.2. ▼ Mixtures

0121 1 11111100 00				
Product/substance	Identifiers	% w/w	Classification	Note
orthophosphoric acid	CAS No.: 7664-38-2 EC No.: 231-633-2 UK-REACH: Index No.: 015-011-00-6	15-25%	Skin Corr. 1B, H314 (SCL: 25.00 %)	[1]
citric acid	CAS No.: 5949-29-1 EC No.: 201-069-1	3-5%	Eye Irrit. 2, H319	



	UK-REACH: Index No.:			
hydrogen chloride	CAS No.: 7647-01-0 EC No.: 231-595-7 UK-REACH: Index No.: 017-002-00-2	<0.25%	Skin Corr. 1A, H314 Acute Tox. 3, H331	[1]
allylheptanoat	CAS No.: 142-19-8 EC No.: 205-527-1 UK-REACH: Index No.:	<0.05%	Acute Tox. 3, H301 Acute Tox. 3, H311 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) Aquatic Chronic 3, H412	
4-(2,6,6-trimethylcyclohex-1- ene-1-yl)-but-3-ene-2-one	CAS No.: 14901-07-6 EC No.: 238-969-9 UK-REACH: Index No.:	<0.05%	Aquatic Chronic 2, H411	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

[1] European occupational exposure limit.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law < 5%

Perfumes

#### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### ▼ Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.



#### Information to medics

Bring this safety data sheet or the label from this product.

**SECTION 5: Firefighting measures** 

#### 5.1. Extinguishing media

Not applicable.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

# Carbon oxides (CO / CO2)

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice. Hazchem Code: 2X

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Avoid direct contact with spilled substances.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Recommended storage material

Keep only in original packaging.

#### Storage temperature

> 0°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

# 7.3. ▼ Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

orthophosphoric acid Long term exposure limit (8 hours) (mg/m³): 1 Short term exposure limit (15 minutes) (mg/m³): 2

hydrogen chloride



Long term exposure limit (8 hours) (ppm): 1 Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2 Short term exposure limit (15 minutes) (ppm): 5 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 8

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### **V**DNEL

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	8 mg/m³
Long term – Local effects - Workers	Inhalation	8 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	15 mg/m³
Short term – Local effects - Workers	Inhalation	15 mg/m³
orthophosphoric acid		
Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0,1 mg/kg legemsvægt/dag
Long term – Local effects - General population	Inhalation	0,36 mg/m³
Long term – Local effects - General population	Inhalation	360 µg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	4,57 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	4.57 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	10,7 mg/m³
Long term – Systemic effects - Workers	Inhalation	10.7 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	2 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	2 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	100 µg/kgbw/day

#### ▼ PNEC

citric acid		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,44 mg/L
Freshwater sediment		3,46 mg/kgbw
Marine water		0,044 mg/L
Marine water sediment		34,6 mg/kgbw
Sewage treatment plant		> 1000 mg/L
Soil		33,1 mg/kgbw

#### 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

# General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### **Exposure limits**

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### ▼ Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.



#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

#### Individual protection measures, such as personal protective equipment

Generally

Wash contaminated clothing before reuse.

Use only UKCA marked protective equipment.

# **Respiratory Equipment**

No specific requirements

# Skin protection

	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Ha	nd protection			
	No special when used as intended	-	-	
	Recommended	Type/Category	Standards	

# Nitrile 0,2 > 240 EN374-2, EN374-3, EN388

#### Eye protection

Туре

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties
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Standards

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Physical state
      Liquid
  Colour
      Blue
  Odour / Odour threshold
      Mild
  рΗ
      1
  Density (g/cm<sup>3</sup>)
     Testing not relevant or not possible due to the nature of the product.
  Kinematic viscosity
      Testing not relevant or not possible due to the nature of the product.
  Particle characteristics
      Not applicable - product is a liquid
Phase changes
  Melting point/Freezing point (°C)
      Not applicable - product is a liquid
  Softening point/range (waxes and pastes) (°C)
      Does not apply to liquids.
  Boiling point (°C)
      100
  Vapour pressure
      No data available
  Relative vapour density
      No data available
  Decomposition temperature (°C)
      Not applicable
Data on fire and explosion hazards
  Flash point (°C)
      Not applicable - flash point > 200°C
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▼ Flammability (°C) Testing not relevant or not possible due to the nature of the product. ▼ Auto-ignition temperature (°C) Not applicable - flash point > 200°C Lower and upper explosion limit (% v/v) Not applicable Solubility Solubility in water Completely soluble n-octanol/water coefficient Testing not relevant or not possible due to the nature of the product. Solubility in fat (q/L) Testing not relevant or not possible due to the nature of the product. 9.2. Other information Evaporation rate (n-butylacetate = 100) No data available Oxidizing properties Not applicable Other physical and chemical parameters No data available. SECTION 10: Stability and reactivity 10.1. Reactivity

- No data available.
- 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

- 10.3. Possibility of hazardous reactions
- None known.
- 10.4. Conditions to avoid None known.
- 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

#### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

#### ▼ Acute toxicity

<ul> <li>Acute toxicity</li> <li>Product/substance</li> <li>Species:</li> <li>Route of exposure:</li> <li>Test:</li> <li>Result:</li> </ul>	orthophosphoric acid Rat Inhalation LC50 (2 hours) 850 mg/L	
Product/substance Species: Route of exposure: Test: Result:	orthophosphoric acid Rabbit Dermal LD50 2740 mg/kg	
Product/substance Species: Route of exposure: Test: Result:	citric acid Rat Oral LD50 3000 mg/kg ·	
Product/substance Species: Route of exposure:	hydrogen chloride Rat Inhalation	



Test: LC50 Result: 3124 ppm · Skin corrosion/irritation Causes severe skin burns and eye damage. Serious eye damage/irritation Causes serious eye damage.

# Respiratory sensitisation

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

#### Skin sensitisation

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

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

#### 11.2. Information on other hazards

#### ▼Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### Endocrine disrupting properties

# Not applicable.

# Other information

hydrogen chloride has been classified by IARC as a group 3 carcinogen.

#### SECTION 12: Ecological information

# 12.1. ▼Toxicity

12.1. ▼Toxicity		
Product/substance	orthophosphoric acid	
Species:	Fish	
Duration:	7 days	
Test:	LC50	
Result:	138 mg/l ·	
Product/substance	orthophosphoric acid	
Species:	Crustacean	
Duration:	48 hours	
Test:	EC50	
Result:	>100 mg/l ·	
	5	
Product/substance	orthophosphoric acid	
Species:	Algae	
Duration:	72 hours	
Test:	NOEC	
Result:	100 mg/l ·	
Product/substance	citric acid	
Species:	Fish	
Duration:	7 days	
Test:	LC50	
Result:	440-760 mg/l ·	
Product/substance	citric acid	
Species:	Crustacean	
Duration:	No data available.	
2 3. 00011		



Test:EC50Result:> 1000
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#### 12.2. ▼ Persistence and degradability

Product/substance	citric acid
Biodegradable:	Yes
Test method:	OECD 301 B
Result:	97%

#### 12.3. ▼ Bioaccumulative potential

Product/substance	orthophosphoric acid
Test method:	
Potential bioaccumulation:	No
LogPow:	No data available.
BCF:	No data available.
Other information:	

Product/substance	hydrogen chloride
Test method:	
Potential bioaccumulation:	No
LogPow:	No data available.
BCF:	No data available.
Other information:	

# 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

- 12.6. ▼Endocrine disrupting properties Not applicable.
- 12.7. Other adverse effects None known.

SECTION 13: Disposal considerations

#### Waste treatment methods

Product is covered by the regulations on hazardous waste. HP 8 – Corrosive Dispose of contents/container to an approved waste disposal plant. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. EWC code 20 01 14\* Acids

# ▼ Specific labelling

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 14.2 UN / ID UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1760 CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Transport hazard class: 8 Label: 8 Classification code: C9	III	No	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1760 CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Transport hazard class: 8 Label: 8 Classification code: C9	III	No	Limited quantities: 5 L EmS: F-A S-B



	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
			B A			See below fo additional information.
ΙΑΤΑ	UN1760	CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Transport hazard class: 8 Label: 8 Classification code: C9	III	No	See below fo additional information.
accio	lents duri	ng transport.	ons in writing regarding mitigation	0		
trans IATA trans This Hazo 14.6. Sp Not a 14.7. M No d	sport. / See Tab sport. product is hem Cod pecial pre- applicable aritime tr lata availa	ble 4.2 for any information on sp s within scope of the regulations e: 2X cautions for user e. ansport in bulk according to IM	on special provisions, requirements becial provisions, requirements, or v s of transport of dangerous goods. O instruments	-		

hydrogen chloride is included (Category 3)

#### Additional information

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Control of Major Accident Hazards (COMAH) Regulations 2015.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

The Controlled Drugs (Drug Precursors) Regulations 2008.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3



H301, Toxic if swallowed. H311, Toxic in contact with skin.

H314, Causes severe skin burns and eye damage. H319, Causes serious eye irritation. H331, Toxic if inhaled. H400, Very toxic to aquatic life. H410, Very toxic to aquatic life with long lasting effects. H411, Toxic to aquatic life with long lasting effects. H412, Harmful to aquatic life with long lasting effects. The full text of identified uses as mentioned in section 1 LCS "C" = Consumer uses: Private households (= general public = consumers) LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen) PROC 28 = Manual maintenance (cleaning and repair) of machinery PROC 19 = Hand-mixing with intimate contact and only PPE available PROC 8a = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at nondedicated facilities PC 35 = Washing and Cleaning Products (including solvent based products) ERC 8a = Wide dispersive indoor use of processing aids in open systems ERC 8b = Wide dispersive indoor use of reactive substances in open systems Abbreviations and acronyms ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Abstracts Service CE = Conformité Européenne (European conformity) CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative Additional information The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law. The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pHcriterion given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law. The safety data sheet is validated by RH



#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en