

## **SAFETY DATA SHEET**

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

## Calcium Hardness No.1

Revision date 03-07-2023 Revision Number 5

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

1.1. Product identifier

Product Code(s) POL20CH1

Product Name Calcium Hardness No.1

Unique Formula Identifier (UFI) FMGU-5NE9-N822-48XS

Pure substance/mixture Mixture

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

Recommended use Reagent for water analysis

Uses advised against Others

1.3. Details of the supplier of the safety data sheet

Manufacturer

Water-i.d. GmbH Daimlerstr. 20

76344 Eggenstein, Germany

Tel.: +49 (0) 721 78 20 29 0, Fax: +49 (0) 721 78 20 29 11

Website: www.water-id.com

EHS / Compliance: lab@water-id.com

1.4. Emergency telephone number

Emergency Telephone Poison Control Centre Munich

Tel.: +49 (0) 89 19 24 0

Germany 24 hours service

Languages: German, English

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation Category 2 - (H319)

2.2. Label elements



Signal word Warning

#### **Hazard statements**

H319 - Causes serious eye irritation

## Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear eye protection/ face protection

P337 + P313 - If eye irritation persists: Get medical advice/attention

## 2.3. Other hazards

No information available.

# SECTION 3: Composition/information on ingredients

## 3.1 Substances

Not applicable

#### 3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Acetic acid 64-19-7	<1.5	No data available	200-580-7	Skin Corr. 1A (H314) Flam. Liq. 3 (H226)	Eye Irrit. 2 :: 10%<=C<25% Skin Corr. 1A :: C>=90% Skin Corr. 1B :: 25%<=C<90% Skin Irrit. 2 :: 10%<=C<25%		

# Full text of H- and EUH-phrases: see section 16

## Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4	Inhalation LC50 - 4	Inhalation LC50 - 4
	mg/kg	mg/kg	hour - dust/mist - mg/L	hour - vapour - mg/L	hour - gas - ppm
Acetic acid 64-19-7	3310	1060	11.4		

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

doctor.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth

to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** May cause redness and tearing of the eyes. Burning sensation.

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

Note to doctors Treat symptomatically.

# **SECTION 5: Firefighting measures**

5.1. Extinguishing media

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

No information available.

5.3. Advice for firefighters

Special protective equipment and

precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

# SECTION 6: Accidental release measures

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

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

**Reference to other sections**See section 8 for more information. See section 13 for more information.

# SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

#### **Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Acetic acid	-	TWA: 10 ppm	TWA: 10 ppm	STEL: 50 mg/m <sup>3</sup>	TWA: 10 ppm
64-19-7		TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	STEL: 20 ppm	TWA: 25 mg/m <sup>3</sup>
		STEL 20 ppm	STEL: 15 ppm	TWA: 25 mg/m <sup>3</sup>	STEL: 20 ppm
		STEL 50 mg/m <sup>3</sup>	STEL: 38 mg/m <sup>3</sup>	TWA: 10 ppm	STEL: 50 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Acetic acid	STEL: 50 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 10 ppm	TWA: 10 ppm	TWA: 5 ppm
64-19-7	STEL: 20 ppm	Ceiling: 50 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 13 mg/m <sup>3</sup>
	TWA: 10 ppm			STEL: 10 ppm	STEL: 10 ppm
	TWA: 25 mg/m <sup>3</sup>			STEL: 25 mg/m <sup>3</sup>	STEL: 25 mg/m <sup>3</sup>
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Acetic acid	TWA: 10 ppm	TWA: 10 ppm	TWA: 10 ppm	TWA: 10 ppm	TWA: 25 mg/m <sup>3</sup>
64-19-7	TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	STEL: 50 mg/m <sup>3</sup>
	STEL: 20 ppm		Peak: 20 ppm	STEL: 15 ppm	
	STEL: 50 mg/m <sup>3</sup>		Peak: 50 mg/m <sup>3</sup>	STEL: 37 mg/m <sup>3</sup>	
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Acetic acid	TWA: 20 ppm	TWA: 25 ppm	TWA: 10 ppm	TWA: 10 ppm	TWA: 10 ppm
64-19-7	TWA: 50 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>
	STEL: 20 ppm	STEL: 50 mg/m <sup>3</sup>	STEL: 15 ppm	STEL: 50 mg/m <sup>3</sup>	STEL: 50 mg/m <sup>3</sup>
	STEL: 50 mg/m <sup>3</sup>	STEL: 20 ppm	STEL: 37 mg/m <sup>3</sup>	STEL: 20 ppm	STEL: 20 ppm
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland

Rev	ision	date	03-0	7-2023

Acetic acid 64-19-7		L: 50 mg/m <sup>3</sup> EL: 20 ppm	STEL: 20 ppm STEL: 50 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup> STEL: 50 mg/m <sup>3</sup>		: 20 ppm 50 mg/m <sup>3</sup>	STEL: 50 mg/m <sup>3</sup> TWA: 25 mg/m <sup>3</sup>
	TΜ	/A: 10 ppm A: 25 mg/m³	TWA: 10 ppm TWA: 25 mg/m <sup>3</sup>			5	•
Chemical name		Portugal	Romania	Slovakia	Slo	ovenia	Spain
Acetic acid	TV	/A: 10 ppm	TWA: 10 ppm	TWA: 10 ppm	TWA:	: 10 ppm	TWA: 10 ppm
64-19-7	TW	A: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>	TWA:	25 mg/m <sup>3</sup>	TWA: 25 mg/m <sup>3</sup>
	STI	EL: 20 ppm	STEL: 20 ppm	Ceiling: 50 mg/m <sup>3</sup>	STEL: S	TEL mg/m <sup>3</sup>	STEL: 20 ppm
	STE	L: 50 mg/m <sup>3</sup>	STEL: 50 mg/m <sup>3</sup>		STEL: S	STEL ppm	STEL: 50 mg/m <sup>3</sup>
Chemical name		Sı	weden	Switzerland		Uni	ted Kingdom
Acetic acid		NG\	/: 5 ppm	TWA: 10 ppm		TV	VA: 10 ppm
64-19-7		NGV:	13 mg/m <sup>3</sup>	TWA: 25 mg/m	13	TW	A: 25 mg/m <sup>3</sup>
		Bindande	KGV: 10 ppm	STEL: 20 ppm	1	ST	EL: 20 ppm
		Bindande k	KGV: 25 mg/m <sup>3</sup>	STEL: 50 mg/m	1 <sup>3</sup>	STE	EL: 50 mg/m <sup>3</sup>

## Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

**Derived No Effect Level (DNEL)** Predicted No Effect Concentration No information available. (PNEC)

No information available.

8.2. Exposure controls

Personal protective equipment

If splashes are likely to occur, wear safety glasses with side-shields. Eye/face protection

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

No protective equipment is needed under normal use conditions. If exposure limits are Respiratory protection

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product.

No information available. **Environmental exposure controls** 

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state Liquid Appearance Liquid Colour colourless Odour Pungent.

**Odour threshold** No information available

Remarks • Method **Property** Values

Melting point / freezing point No data available None known Boiling point / boiling range No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

Upper flammability or explosive

No data available

limits

Lower flammability or explosive No data available

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limits No data available None known Flash point **Autoignition temperature** No data available None known **Decomposition temperature** None known 5.3 None known

pH (as aqueous solution) No data available No information available Kinematic viscosity No data available None known Dynamic viscosity No data available None known None known Water solubility No data available None known No data available Solubility(ies) None known Partition coefficient No data available Vapour pressure No data available None known None known

Relative density No data available **Bulk density** No data available **Liquid Density** No data available

Relative vapour density No data available None known

**Particle characteristics** 

**Particle Size** No information available **Particle Size Distribution** No information available

## 9.2. Other information

9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

# SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge

10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

# SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation.

(based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. May cause irritation.

Prolonged contact may cause redness and irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhoea.

## Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** May cause redness and tearing of the eyes.

Numerical measures of toxicity

## **Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 40,002.80 mg/kg
ATEmix (dermal) 48,294.70 mg/kg
ATEmix (inhalation-dust/mist) 91.00 mg/l

## **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetic acid	= 3310 mg/kg (Rat)	= 1060 mg/kg ( Rabbit )	= 11.4 mg/L (Rat)4 h

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** May cause skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitisation** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

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Aspiration hazard

No information available.

11.2. Information on other hazards

## 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

11.2.2. Other information

Other adverse effects No information available.

# **SECTION 12: Ecological information**

## 12.1. Toxicity

#### **Ecotoxicity**

Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Acetic acid	-	LC50: =75mg/L (96h,	-	EC50: =65mg/L (48h,
		Lepomis macrochirus)		Daphnia magna)
		LC50: =79mg/L (96h,		
		Pimephales promelas)		

## 12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

Component Information

Component information				
Chemical name	Partition coefficient			
Acetic acid	-0.17			

## 12.4. Mobility in soil

Mobility in soil No information available.

## 12.5. Results of PBT and vPvB assessment

#### PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Acetic acid	The substance is not PBT / vPvB PBT assessment does
	not apply

## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

## 12.7. Other adverse effects

No information available.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

# **SECTION 14: Transport information**

	<b>T</b> A
ιΔ	1 4

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazards
 Not regulated Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

**IMDG** 

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Marine pollutant
 Not regulated Not regulated Not applicable

14.6 Special precautions for user

Special Provisions
None No information available
No information available
No information available

RID

**14.1 UN number or ID number** Not regulated

14.2

14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazards
 Not regulated Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

<u>ADR</u>

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
Not regulated Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

# **SECTION 15: Regulatory information**

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

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents

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at work.

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

Not applicable

### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Chemical name	Plant protection products directive (91/414/EEC)
Acetic acid - 64-19-7	Plant protection agent

**International Inventories** 

**TSCA** Complies **DSL/NDSL** Complies **EINECS/ELINCS** Complies **ENCS** Complies Complies **IECSC** Complies **KECL PICCS** Complies **AICS** Complies

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### 15.2. Chemical safety assessment

Chemical Safety Report No information available

## **SECTION 16: Other information**

## Key or legend to abbreviations and acronyms used in the safety data sheet

## Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour

H314 - Causes severe skin burns and eye damage

Legend

SVHC: Substances of Very High Concern for Authorisation:

## Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method

Acute dermal toxicity Acute inhalation toxicity - gas Calculation method Acute inhalation toxicity - Vapour Calculation method Acute inhalation toxicity - Vapour Calculation method Skin corrosion/irritation Calculation method Serious eye damage/eye irritation Calculation method Carcinogenicity Calculation method Calculation method Carcinogenicity Calculation method Calculation method Carcinogenicity Calculation method		
Acute inhalation toxicity - Vapour  Acute inhalation toxicity - dust/mist  Skin corrosion/irritation  Serious eye damage/eye irritation  Respiratory sensitisation  Skin sensitisation  Calculation method  Calculation method  Skin sensitisation  Calculation method		Calculation method
Acute inhalation toxicity - dust/mist  Skin corrosion/irritation  Serious eye damage/eye irritation  Respiratory sensitisation  Skin sensitisation  Calculation method  Calculation method  Skin sensitisation  Calculation method  Calculation method  Calculation method  Calculation method  Calculation method  Calculation method  Carcinogenicity  Calculation method	Acute inhalation toxicity - gas	Calculation method
Skin corrosion/irritation       Calculation method         Serious eye damage/eye irritation       Calculation method         Respiratory sensitisation       Calculation method         Skin sensitisation       Calculation method         Mutagenicity       Calculation method         Carcinogenicity       Calculation method         Reproductive toxicity       Calculation method         STOT - single exposure       Calculation method         STOT - repeated exposure       Calculation method	Acute inhalation toxicity - Vapour	Calculation method
Serious eye damage/eye irritation  Respiratory sensitisation  Skin sensitisation  Calculation method  Calculation method  Mutagenicity  Carcinogenicity  Calculation method	Acute inhalation toxicity - dust/mist	Calculation method
Respiratory sensitisation  Skin sensitisation  Calculation method  Mutagenicity  Carcinogenicity  Calculation method	Skin corrosion/irritation	Calculation method
Skin sensitisation       Calculation method         Mutagenicity       Calculation method         Carcinogenicity       Calculation method         Reproductive toxicity       Calculation method         STOT - single exposure       Calculation method         STOT - repeated exposure       Calculation method	Serious eye damage/eye irritation	Calculation method
Mutagenicity       Calculation method         Carcinogenicity       Calculation method         Reproductive toxicity       Calculation method         STOT - single exposure       Calculation method         STOT - repeated exposure       Calculation method	Respiratory sensitisation	Calculation method
Carcinogenicity Calculation method Reproductive toxicity Calculation method STOT - single exposure Calculation method STOT - repeated exposure Calculation method	Skin sensitisation	Calculation method
Reproductive toxicity  STOT - single exposure  Calculation method  Calculation method  Calculation method	Mutagenicity	Calculation method
STOT - single exposure Calculation method STOT - repeated exposure Calculation method	Carcinogenicity	Calculation method
STOT - repeated exposure Calculation method	Reproductive toxicity	Calculation method
	STOT - single exposure	Calculation method
	STOT - repeated exposure	Calculation method
Acute aquatic toxicity Calculation method	Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity Calculation method	Chronic aquatic toxicity	Calculation method
Aspiration hazard Calculation method	Aspiration hazard	Calculation method
Ozone Calculation method	Ozone	Calculation method

## Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date 03-07-2023

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Disclaimer

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.

**End of Safety Data Sheet**