

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 and The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 No. 720

Issuing Date 27-Apr-2023 Revision Date 20-Aug-2024 Revision Number 4

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

## 1.1. Product identifier

Product Code(s) C0031

Product Name Chromo LAL

Synonyms None

Pure substance/mixture Mixture

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

Recommended use Laboratory reagent

For professional use only

Uses advised against No information available

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

#### Supplier

Associates of Cape Cod, Intl, Inc. Unit 1 F/G/H Academy Business Park, Lees Road, Knowsley, Liverpool L33 7SA (T) 44-151-547-7444

#### For further information, please contact

E-mail address custservice@acciusa.com

#### 1.4. Emergency telephone number

Emergency telephone Chemtel

(International) +1-360-256-7365 (North America) +1-800-704-9215

# SECTION 2: Hazards identification

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

| Acute toxicity - Oral             | Category 4 - (H302)   |
|-----------------------------------|-----------------------|
| Skin corrosion/irritation         | Category 1 - (H314)   |
| Serious eye damage/eye irritation | Category 1 - (H318)   |
| Reproductive toxicity             | Category 1B - (H360D) |

# 2.2. Label elements

Contains 1-Imidazole

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## Signal word

Danger

#### **Hazard statements**

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H360D - May damage the unborn child.

#### **Precautionary statements**

P201 - Obtain special instructions before use.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P331 - Do NOT induce vomiting.

#### Unknown acute toxicity

50 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

#### Unknown aquatic toxicity

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

#### **Additional information**

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

#### 2.3. Other hazards

May be harmful if inhaled. The product does not contain any substance(s) classified as PBT or vPvB.

# SECTION 3: Composition/information on ingredients

# 3.1 Substances

Not applicable

# 3.2 Mixtures

| Chemical name | Weight-% | EC No (EU      | UK REACH     | Classification | Specific      | M-Factor | M-Factor    |
|---------------|----------|----------------|--------------|----------------|---------------|----------|-------------|
|               |          | Index No)      | registration | according to   | concentration |          | (long-term) |
|               |          |                | number       | GB CLP (SI     | limit (SCL)   |          |             |
|               |          |                |              | 2020/1567 as   |               |          |             |
|               |          |                |              | amended)       |               |          |             |
| 1-Imidazole   | 9-10     | (613-319-00-0) | -            | Acute Tox. 4   | -             | -        | -           |
| 288-32-4      |          | 206-019-2      |              | (H302)         |               |          |             |
|               |          |                |              | Skin Corr. 1C  |               |          |             |
|               |          |                |              | (H314)         |               |          |             |

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|  |  | Repr. 1B |  |  |
|--|--|----------|--|--|
|  |  | (H360D)  |  |  |

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

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK 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. Immediate medical attention is

required.

**Inhalation** Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical

attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical

attention.

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

eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present

and easy to do. Continue rinsing. Get immediate medical attention.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Get immediate medical attention.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Get immediate medical attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Wear personal protective clothing (see section 8).

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

**Symptoms** Burning sensation.

Effects of Exposure No information available.

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

**Note to doctors** Product is a corrosive material. Use of gastric lavage or emesis is contra-indicated.

Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may

occur with moist rales, frothy sputum, and high pulse pressure.

# SECTION 5: Firefighting measures

## 5.1. Extinguishing media

surrounding environment.

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Unsuitable extinguishing media None known based on information supplied.

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

Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition

can lead to release of irritating gases and vapours.

#### 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 Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate

ventilation. Use personal protective equipment as required. Evacuate personnel to safe

areas. Keep people away from and upwind of spill/leak.

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

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Should not be released into the

environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

## 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 Pick up and transfer to properly labelled containers.

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. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated

clothing and wash it before reuse. Remove contaminated clothing and shoes.

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. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

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

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Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children. Protect from moisture. Store locked up. Store away from other materials.

7.3. Specific end use(s)

Specific use(s) No information available.

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 This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

**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) - Workers

| Chemical name                     | Oral | Dermal   | Inhalation   |
|-----------------------------------|------|--|--|
| Sodium chloride<br>7647-14-5      |      | 295.52 mg/kg bw/day [4] [6]<br>295.52 mg/kg bw/day [4] [7] | 2068.62 mg/m <sup>3</sup> [4] [6]<br>2068.62 mg/m <sup>3</sup> [4] [7] |
| 1-Imidazole<br>288-32-4           |      | 1.5 mg/kg bw/day [4] [6]                                   | 10.6 mg/m <sup>3</sup> [4] [6]   |
| Polyethylene glycol<br>25322-68-3 |      | 112 mg/kg bw/day [4] [6]                                   | 40.2 mg/m <sup>3</sup> [4] [6]   |

**Notes** 

[4] Systemic health effects.

[6] Long term. [7] Short term.

# Derived No Effect Level (DNEL) - General Public

| Chemical name       | Oral                        | Dermal                      | Inhalation                       |
|---------------------|-----------------------------|-----------------------------|----------------------------------|
| Sodium chloride     | 126.65 mg/kg bw/day [4] [6] | 126.65 mg/kg bw/day [4] [6] | 443.28 mg/m <sup>3</sup> [4] [6] |
| 7647-14-5           | 126.65 mg/kg bw/day [4] [7] | 126.65 mg/kg bw/day [4] [7] | 443.28 mg/m <sup>3</sup> [4] [7] |
| Polyethylene glycol | 40 mg/kg bw/day [4] [6]     |                             | 7.14 mg/m³ [4] [6]               |
| 25322-68-3          |                             |                             |                                  |

**Notes** 

[4] Systemic health effects.

[6] Long term. [7] Short term.

## **Predicted No Effect Concentration (PNEC)**

| Chemical name   | Freshwater | Freshwater<br>(intermittent<br>release) | Marine water | Marine water<br>(intermittent<br>release) | Air |
|-----------------|------------|---|--------------|---|-----|
| Sodium chloride | 5 mg/L     |   |              |   |     |

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| Chemical name                     | Freshwater | Freshwater<br>(intermittent<br>release) | Marine water | Marine water<br>(intermittent<br>release) | Air |
|-----------------------------------|------------|---|--------------|---|-----|
| 7647-14-5                         |            |   |              |   |     |
| 1-Imidazole<br>288-32-4           | 0.13 mg/L  | 1.3 mg/L                                | 0.013 mg/L   |   |     |
| Polyethylene glycol<br>25322-68-3 | 0.273 g/L  | 1 mg/L                                  | 27.3 mg/L    | 0.1 mg/L                                  |     |

| Chemical name                     | Freshwater sediment        | Marine sediment             | Sewage treatment | Soil                    | Food chain |
|-----------------------------------|----------------------------|-----------------------------|------------------|-------------------------|------------|
| Sodium chloride<br>7647-14-5      |                            |                             | 500 mg/L         | 4.86 mg/kg soil dw      |            |
| 1-Imidazole<br>288-32-4           | 0.336 mg/kg<br>sediment dw | 0.0336 mg/kg<br>sediment dw | 10 mg/L          | 0.0425 mg/kg soil<br>dw |            |
| Polyethylene glycol<br>25322-68-3 | 1030 mg/kg<br>sediment dw  | 103 mg/kg sediment<br>dw    |                  | 46.4 mg/kg soil dw      |            |

## 8.2. Exposure controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield. Eye protection must conform to

standard EN 166.

**Hand protection** Wear suitable gloves. Impervious gloves. Gloves must conform to standard EN 374.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

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. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

# SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Appearance White to off-white lyophilized pellet

Physical state Solid

ColourWhite to off-whiteOdourNo information availableOdour thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

Melting point / freezing point
Initial boiling point and boiling
No data available
No data available

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range

Flammability No data available

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Flash point No data available **Autoignition temperature** 480 °C No data available **Decomposition temperature** No data available No data available pH (as aqueous solution) No data available Kinematic viscosity No data available **Dynamic viscosity** No data available Water solubility No data available Solubility(ies) No data available **Partition coefficient** No data available Vapour pressure No data available

Partition coefficientNo data availableVapour pressureNo data availableRelative densityNo data availableBulk densityNo data availableLiquid DensityNo data availableVapour densityNo data available

Particle characteristics

Particle SizeNo data availableParticle Size DistributionNo data available

**Explosive properties**No information available. **Oxidising properties**No information available.

9.2. Other information

VOC 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** None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions 
None under normal processing.

10.4. Conditions to avoid

**Conditions to avoid** Exposure to air or moisture over prolonged periods.

10.5. Incompatible materials

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**Incompatible materials** Acids, Bases, Oxidising agent.

## 10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

# SECTION 11: Toxicological information

## 11.1. Toxicological information

## Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. Corrosive by inhalation.

(based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs.

Pulmonary edema can be fatal. May be harmful if inhaled.

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

damage. (based on components). Corrosive to the eyes and may cause severe damage

including blindness. May cause irreversible damage to eyes.

**Skin contact** Specific test data for the substance or mixture is not available. Corrosive. (based on

components). Causes burns.

**Ingestion** Specific test data for the substance or mixture is not available. Causes burns. (based on

components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung

damage if swallowed. May be fatal if swallowed and enters airways.

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

**Symptoms** Redness. Burning. May cause blindness. Coughing and/ or wheezing.

# Acute toxicity .

## **Numerical measures of toxicity**

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

**ATEmix (oral)** 1,493.90 mg/kg **ATEmix (dermal)** >2,000.00 mg/kg

ATEmix (inhalation-dust/mist) >5.0 mg/l

## Unknown acute toxicity

50 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

**Component Information** 

| Chemical name | Oral LD50           | Dermal LD50 | Inhalation LC50 |
|---------------|---------------------|-------------|-----------------|
| 1-Imidazole   | = 220 mg/kg ( Rat ) | -           | -               |

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

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Skin corrosion/irritation Classification based on data available for ingredients. Causes severe skin burns and eye

damage.

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

ourns.

Respiratory or 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 Contains a known or suspected reproductive toxin. Classification based on data available

for ingredients. May damage fertility or the unborn child.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

| Chemical name | United Kingdom |
|---------------|----------------|
| 1-Imidazole   | Repr. 1B       |

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.

Other adverse effects No information available.

# SECTION 12: Ecological information

# 12.1. Toxicity

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

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

| Chemical name | Algae/aquatic plants | Fish | Toxicity to    | Crustacea              |
|---------------|----------------------|------|----------------|------------------------|
|               |                      |      | microorganisms |                        |
| 1-Imidazole   | EC50: =130mg/L (72h, | -    | -              | EC50: =341.5mg/L (48h, |
|               | Desmodesmus          |      |                | Daphnia magna)         |
|               | subspicatus)         |      |                | ,                      |
|               | EC50: =82mg/L (96h,  |      |                |                        |
|               | Desmodesmus          |      |                |                        |
|               | subspicatus)         |      |                |                        |

#### 12.2. Persistence and degradability

Persistence and degradability No information available.

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#### 12.3. Bioaccumulative potential

#### **Bioaccumulation**

**Component Information** 

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| 1-Imidazole   | -0.02                 |

#### 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

| 0             | DRT and vPvR assassment         |
|---------------|---------------------------------|
| Chemical name | PBT and vPvB assessment         |
| 1-Imidazole   | The substance is not PBT / vPvB |

#### 12.6. 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

**IMDG** 

14.1 UN number or ID number UN1759

**14.2 UN proper shipping name** CORROSIVE SOLID, N.O.S. (1-Imidazole)

**14.3 Transport hazard class(es)** 8 **14.4 Packing group** III

**Description** UN1759, CORROSIVE SOLID, N.O.S. (1-Imidazole), 8, III

14.5 Environmental hazards Not applicable

14.6 Special Precautions for Users

Special Provisions 223, 274 EmS-No F-A, S-B

**14.7 Maritime transport in bulk** No information available

according to IMO instruments

RID

**14.1 UN number** UN1759

**14.2 UN proper shipping name** CORROSIVE SOLID, N.O.S. (1-Imidazole)

14.3 Transport hazard class(es) 8
14.4 Packing group

Description UN1759, CORROSIVE SOLID, N.O.S. (1-Imidazole), 8, III

14.5 Environmental hazards Not applicable

14.6 Special Precautions for Users

Special Provisions 274
Classification code C10

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<u>ADR</u>

14.1 UN number or ID number UN1759

**14.2 UN proper shipping name** CORROSIVE SOLID, N.O.S. (1-Imidazole)

**14.3 Transport hazard class(es)** 8 **14.4 Packing group** III

**Description** UN1759, CORROSIVE SOLID, N.O.S. (1-Imidazole), 8, III

14.5 Environmental hazards Not applicable

14.6 Special Precautions for Users

Special Provisions 274
Classification code C10
Tunnel restriction code (E)

IATA

14.1 UN number or ID number UN1759

**14.2 UN proper shipping name** Corrosive solid, n.o.s. (1-Imidazole)

**14.3 Transport hazard class(es)** 8 **14.4 Packing group** III

**Description** UN1759, Corrosive solid, n.o.s. (1-Imidazole), 8, III

14.5 Environmental hazards Not applicable

14.6 Special Precautions for Users

Special Provisions A3, A803 ERG Code 8L Note: None

# SECTION 15: Regulatory information

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

# National regulations

## Authorisations and/or restrictions on use:

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

| Chemical name          | Restricted substance per REACH   | Substance subject to authorisation per |
|------------------------|----------------------------------|--|
|                        | Annex XVII                       | REACH Annex XIV                        |
| 1-Imidazole - 288-32-4 | Use restricted. See item 30.     | -                                      |
|                        | Restricted Reproductive Toxin 1B |  |

#### **Persistent Organic Pollutants**

Not applicable

## **Export Notification requirements**

Not applicable

#### Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

# The Ozone-Depleting Substances Regulations 2015

Not applicable

# The Biocidal Products Regulations 2001 (as amended)

Not applicable

# The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

## Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

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#### **International Inventories**

Contact supplier for inventory compliance status

#### 15.2. Chemical safety assessment

**Chemical Safety Report** 

Chemical safety assessments for substances in this mixture were not carried out

# 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

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H360D - May damage the unborn child

#### 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

+ Sensitisers SCBA Self-contained breathing apparatus

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | 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 |
| STOT - single exposure  | Calculation method |
| STOT - repeated exposure  | Calculation method |
| Acute aquatic toxicity  | Calculation method |
| Chronic aquatic toxicity  | Calculation method |
| Aspiration hazard   | 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)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

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

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Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

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

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Revision Note Address update

This material safety data sheet complies with the requirements of UK REACH

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

#### **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** 

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