



This safety data sheet was created pursuant to the requirements of: INCORPORATED 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 27-Apr-2023

Revision Number 1

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 s	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 sat	fety data sheet
<u>Supplier</u> Associates of Cape Cod, Intl, Inc. Deacon Park Moorgate Road Liverpool L33 7RX (T) 44-151-547-7444	
For further information, please cont E-mail address	act custservice@acciusa.com
1.4. Emergency telephone number	-
Emergency telephone	Chemtel

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



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

	Repr. 1B (H360D)		
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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. Eirofighting			

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the
	surrounding environment.

Unsuitable extinguishing media None known based on information supplied.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition
chemical	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

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reac 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		295.52 mg/kg bw/day [4] [6]	2068.62 mg/m ³ [4] [6]
7647-14-5		295.52 mg/kg bw/day [4] [7]	2068.62 mg/m ³ [4] [7]
1-Imidazole		1.5 mg/kg bw/day [4] [6]	10.6 mg/m ³ [4] [6]
288-32-4			
Polyethylene glycol		112 mg/kg bw/day [4] [6]	40.2 mg/m ³ [4] [6]
25322-68-3			

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 ³ [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 ³ [4] [7]
Polyethylene glycol 25322-68-3	40 mg/kg bw/day [4] [6]		7.14 mg/m ³ [4] [6]

Notes

[4]	Systemic health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Sodium chloride	5 mg/L				

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
7647-14-5					
1-Imidazole 288-32-4	0.13 mg/L	1.3 mg/L	0.013 mg/L		
Polyethylene glycol 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 7647-14-5			500 mg/L	4.86 mg/kg soil dw	
1-Imidazole 288-32-4	0.336 mg/kg sediment dw	0.0336 mg/kg sediment dw	10 mg/L	0.0425 mg/kg soil dw	
Polyethylene glycol 25322-68-3	1030 mg/kg sediment dw	103 mg/kg sediment 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.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are 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 Physical state Colour Odour Odour threshold	White to off-white lyophilized pellet Solid White to off-white No information available No information available	
<u>Property</u> Melting point / freezing point Initial boiling point and boiling	<u>Values</u>	<u>Remarks</u> No data ava No data ava

Remarks • Method No data available No data available

range		
Flammability		No data available
Flammability Limit in Air Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Flash point		No data available
Autoignition temperature	480 °C	No data available
Decomposition temperature		No data available
рН		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
Relative density		No data available
Bulk density		No data available
Liquid Density		No data available
Vapour density		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No 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 Reportivity		

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

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	(based on components). In headache, dizziness, and tightness in the chest, sho increased heart rate. Inhal	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	damage. (based on compo	ubstance or mixture is not availa onents). Corrosive to the eyes a cause irreversible damage to eye	nd may cause severe damage		
Skin contact	Specific test data for the s components). Causes bur	ubstance or mixture is not availans.	able. Corrosive. (based on		
Ingestion	components). Ingestion ca cause severe burning pair blood. Blood pressure ma mouth. Swelling of the thro	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 physic	cal, chemical and toxicologica	I characteristics			
Symptoms	Redness. Burning. May ca	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 documentATEmix (oral)1,493.90 mg/kgATEmix (dermal)>2,000.00 mg/kgATEmix (inhalation-dust/mist)>5.0 mg/l					
	of ingredient(s) of unknown acute	e oral toxicity.			
Component Information					
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50		
1-Imidazole	= 220 mg/kg (Rat)	-	-		
		-	<u>.</u>		

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

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 burns.
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

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 ingred	w 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 full
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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, Desmodesmus subspicatus) EC50: =82mg/L (96h, Desmodesmus subspicatus)	-	-	EC50: =341.5mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

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	y substance(s) classified as PBT or vPvB.

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	111
D	escription	UN1759, CORROSIVE SOLID, N.O.S. (1-Imidazole), 8, III
14.5	Environmental hazards	Not applicable
14.6	Special Precautions for Users	; · · · · · · · · · · · · · · · · · · ·
S	pecial Provisions	223, 274
Е	mS-No	F-A, S-B
14.7	Maritime transport in bulk	No information available
	rding to IMO instruments	
	rding to IMO instruments	
	rding to IMO instruments	
acco	-	UN1759
accoi <u>RID</u>	-	UN1759 CORROSIVE SOLID, N.O.S. (1-Imidazole)
accor <u>RID</u> 14.1	UN number UN proper shipping name	
accor <u>RID</u> 14.1 14.2	UN number UN proper shipping name Transport hazard class(es)	CORROSIVE SOLID, N.O.S. (1-Imidazole)
accor <u>RID</u> 14.1 14.2 14.3 14.4	UN number UN proper shipping name	CORROSIVE SOLID, N.O.S. (1-Imidazole) 8
accor <u>RID</u> 14.1 14.2 14.3 14.4 D	UN number UN proper shipping name Transport hazard class(es) Packing group	CORROSIVE SOLID, N.O.S. (1-Imidazole) 8 III
accor <u>RID</u> 14.1 14.2 14.3 14.4 D 14.5	UN number UN proper shipping name Transport hazard class(es) Packing group escription	CORROSIVE SOLID, N.O.S. (1-Imidazole) 8 III UN1759, CORROSIVE SOLID, N.O.S. (1-Imidazole), 8, III Not applicable
accor <u>RID</u> 14.1 14.2 14.3 14.4 D 14.5 14.6	UN number UN proper shipping name Transport hazard class(es) Packing group escription Environmental hazards	CORROSIVE SOLID, N.O.S. (1-Imidazole) 8 III UN1759, CORROSIVE SOLID, N.O.S. (1-Imidazole), 8, III Not applicable
accor <u>RID</u> 14.1 14.2 14.3 14.4 D 14.5 14.6 S	UN number UN proper shipping name Transport hazard class(es) Packing group escription Environmental hazards Special Precautions for Users	CORROSIVE SOLID, N.O.S. (1-Imidazole) 8 III UN1759, CORROSIVE SOLID, N.O.S. (1-Imidazole), 8, III Not applicable

ADR			
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 User	S		
Special Provisions	274		
Classification code	C10		
Tunnel restriction code	(E)		
14.1 UN number or ID number	UN1759		
14.2 UN proper shipping name	Corrosive solid, n.o.s. (1-Imidazole)		
	Corrosive solid, n.o.s. (1-Imidazole) 8		
14.3 Transport hazard class(es)			
14.3 Transport hazard class(es) 14.4 Packing group	8 III		
14.3 Transport hazard class(es)14.4 Packing group Description	8 III UN1759, Corrosive solid, n.o.s. (1-Imidazole), 8, III		
 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Environmental hazards 	8 III UN1759, Corrosive solid, n.o.s. (1-Imidazole), 8, III Not applicable		
 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Precautions for User 	8 III UN1759, Corrosive solid, n.o.s. (1-Imidazole), 8, III Not applicable s		
 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Precautions for User Special Provisions 	8 III UN1759, Corrosive solid, n.o.s. (1-Imidazole), 8, III Not applicable s A3, A803		
 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Precautions for User 	8 III UN1759, Corrosive solid, n.o.s. (1-Imidazole), 8, III Not applicable s		

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

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/PERSON	IAL PROTECTION	
TWA	TWA (time-weighted average)	STEL	STEL (Short Ter
Ceiling	Maximum limit value	*	Skin designation

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

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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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