

MSDS MATERIAL SAFETY DATA SHEET		0.1 Product	Maxi Dip Blue
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	05-09-2022
1. Identification of the product and of the company			
1.1	<u>Product identification</u>		
Product name		Maxi Dip Blue	
Trade name		Maxi Dip Blue / Maxi Dip Blau	
Article code		MAXI0021	
Chemical description		Mixture	
UFI		-	
REACH registration number		-	
1.2	<u>Relevant identified uses of the substance or mixture and uses advised against</u>		
Identified use(s)		Teat care product for after milking.	
Use(s) advised against		Not identified.	
1.3	<u>Details of the supplier of the safety data sheet</u>		
Company identification		Name	Holland Animal Care B.V.
Contact	Address		De Leemkoele 2
	Zip code		7468 DM
	Town		Enter
	Country		The Netherlands
	Telephone		+31-(0)548-545520
	E-mail		info@hollandanimalcare.nl
	Website		www.hollandanimalcare.nl
1.4	<u>Emergency telephone number</u>		
Emergency telephone number		The Netherlands : National Poisoning Information Center - Bilthoven TEL: +31(0)30/274.88.88 Belgium : Antipoison Center - Brussels TEL: +32(0)70/245.245 (Only for the purpose of informing medical personnel in cases of acute intoxications)	

2. Hazards identification											
2.1	<u>Classification of the substance or mixture</u> <u>Classification according to Regulation (EC) no. 1272/2008:</u> Aquatic Chronic 3; Hazardous to the aquatic environment (chronic), category 3; H412 The full text of the (EU)H-statements can be found in section 16.										
2.2	<u>Label elements</u> <u>Labelling according to Regulation (EC) no. 1272/2008:</u> <table> <tr> <td>Hazardous component(s)</td><td>-</td></tr> <tr> <td>Hazard pictogram(s)</td><td>-</td></tr> <tr> <td>Signal word</td><td>-</td></tr> <tr> <td>Hazard statements</td><td>H412 Harmful to aquatic life with long lasting effects.</td></tr> <tr> <td> Precautionary measures - General - Prevention - Response </td><td> P102 Keep out of reach of children. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTRE/doctor/... if you feel unwell. </td></tr> </table>	Hazardous component(s)	-	Hazard pictogram(s)	-	Signal word	-	Hazard statements	H412 Harmful to aquatic life with long lasting effects.	Precautionary measures - General - Prevention - Response	P102 Keep out of reach of children. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTRE/doctor/... if you feel unwell.
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Endocrine disrupting properties	The product does not contain any substances with endocrine-disrupting properties at a concentration $\geq$ 0.1%.										

3. Composition/information on ingredients							
3.1	<u>Substances</u>		Not relevant (mixture).				
3.2	<u>Mixtures</u>		Contains:				
Name component(s)		weight %	CAS no.	EINECS no.	Index no.	Reach no.	Classification
Propan-2-ol; isopropyl alcohol; isopropanol		1 ≤ x < 4.5	67-63-0	200-661-7	603-117-00-0	01-2119457558-25-xxxx	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Chlorhexidine digluconate		0.1 ≤ x < 0.35	18472-51-0	242-354-0	-	01-2119946568-22-0001	Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
The full text of the (EU)H-statements can be found in section 16.							
SCL, M-factor and ATE							
Name component(s)		CAS no.			SCL, M-factor, ATE		
Chlorhexidine digluconate		18472-51-0			Aquatic Acute 1; M = 10 Aquatic Chronic 1; M = 1		
4. First aid measures							
4.1	<u>Description of first aid measures</u>						
General			There is no information available.				
First aid measures in case of inhalation			Remove victim to fresh air. In case of breathing difficulties, call a physician immediately.				
First aid measures in case of skin contact			Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, consult a physician. Wash contaminated clothing before using.				
First aid measures in case of eye contact			Remove contact lenses. Wash immediately with plenty of water for at least 15 minutes, with eyelids wide open. If problem persists, consult a physician.				
First aid measures in case of ingestion							
4.2	<u>Most important symptoms and effects, both acute and delayed</u>						
No particular information is available on symptoms and effects of the product.							
4.3	<u>Indication of any immediate medical attention and special treatment needed</u>						
There is no information available.							
5. Firefighting measures							
5.1	<u>Extinguishing media</u>						
Suitable extinguishing media			Extinguishing media are: carbon dioxide, foam, chemical powder. In case of leakage or spillage of the product without ignition, spray mist can be used to disperse the flammable vapours and to protect the persons dealing with the spill.				
Unsuitable extinguishing media			Do not use water jets. Water is not effective for extinguishing the fire, but can be used to cool closed containers exposed to fire, to prevent them from bursting open and exploding.				

5.2	<u>Special hazards arising from the substance or mixture</u>	
Special exposure hazards	Containers exposed to fire may go into overpressure, with danger of explosion. Avoid inhalation of combustion products.	
5.3	<u>Advice for firefighters</u>	
Special protective equipment	Usual equipment for firefighting, such as self-contained breathing apparatus with open-circuit compressed air (EN 137), protective clothing (EN 469), protective gloves (EN 659) and boots (HO A29 or A30) for firefighters.	
Special procedures	Cool containers with water jets to prevent decomposition of the product and the development of substances potentially hazardous to health. Always wear full, protective and fire-resistant clothing. Collect the extinguishing water, which must not drain into the sewage system. Dispose of the used contaminated fire extinguishing water as well as the residue of the fire in accordance with the applicable legal regulations.	
6.	Accidental release measures	
6.1	<u>Personal precautions, protective equipment and emergency procedures</u>	
Personal precautions	<i>These instructions apply both to the persons in charge of the work and to emergency interventions:</i> Stop the spill provided it is not dangerous. Wear appropriate protective equipment (including the personal protective equipment in section 8 of the safety data sheet) to prevent contamination of skin, eyes and own clothing.	
6.2	<u>Environmental precautions</u>	
Environmental precautions	Prevent product from entering sewage, surface-e or groundwater.	
6.3	<u>Methods and material for containment and cleaning up</u>	
Methods for cleaning up	Extract the leaked product into a suitable container. Check the compatibility of the container used for the product by referring to section 10. Absorb the remaining product with absorbent inert material. Ensure adequate air circulation at the site of product spillage. The contaminated material must be processed in accordance with the provisions under section 13.	
6.4	<u>Reference to other sections</u>	
Personal protection	See section 8.	
Removal of the waste product	See section 13.	
7.	Handling and storage	
7.1	<u>Precautions for safe handling</u>	
Handling	Keep away from heat, sparks and free flames, do not smoke and do not use matches or lighters. Without proper ventilation, vapours can accumulate in the deeper layers of the ground and also burn from afar if ignited, with the danger of the flame returning. Avoid accumulation of electrostatic charges. In case of containers with large dimensions, connect with an earth cable during pouring and wear anti-static footwear. Hard shaking of the liquid and its powerful flow in pipes and equipment, can cause formation and accumulation of electrostatic charges. To avoid fire and explosion hazard, never use compressed air when moving. Open containers carefully as they may be under pressure. Do not eat, drink or smoke during use. Avoid spreading the product in the environment.	

7.2	Conditions for safe storage, including any incompatibilities					
Storage		Store only in the original container. Store containers when closed in a well-ventilated place, not exposed to direct sunlight.				
Protection against fire and explosion		Store in a cool and well-ventilated place, keep away from heat, free flames, sparks and other sources of ignition. Store containers away from any incompatible material; consult section 10.				
Packaging material		There is no information available.				
Unsuitable packaging material		There is no information available.				
7.3	Specific end use(s)					
No further relevant information available.						
8. Exposure controls/personal protection						
8.1	Control parameters					
Occupational exposure limits						
Occupational exposure limit values (Workplace Exposure Limits)						
Cas no	Name of agent	TWA-8h (ppm)	TWA-8h (mg/m³)	TWA- 15 min (ppm)	TWA-15 min (mg/m³)	Source
67-63-0	Propan-2-ol			400	983	EC
		200	492			EG
			500			REACH
		200	500			TRGS 900 (DE)
TWA-8h= (time-weighted average) long-term exposure limit; TWA-15 min = short-term exposure limit						
Biological limit values		There is no information available.				
DNELs						
Relevant DNELs of components of the mixture						
Name of agent	Cas no	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Propan-2-ol	67-63-0	DNEL	0 mg/kg	Human, oral	Consumer	Chronic – local effects
		DNEL	26 mg/kg	Human, oral	Consumer	Chronic - systemic effects
		DNEL	0 mg/ m³	Human, inhalative	Consumer	Chronic – local effects
		DNEL	89 mg/m³	Human, inhalative	Consumer	Chronic - systemic effects
		DNEL	0 mg/kg	Human, dermal	Consumer	Chronic – local effects
		DNEL	319 mg/kg	Human, dermal	Consumer	Chronic - systemic effects
		DNEL	0 mg/ m³	Human, inhalative	Worker	Chronic – local effects
		DNEL	500 mg/m³	Human, inhalative	Worker	Chronic - systemic effects
		DNEL	0 mg/kg	Human, dermal	Worker	Chronic – local effects
		DNEL	888 mg/kg	Human, dermal	Worker	Chronic - systemic effects

PNECs

Relevant PNECs of components of the mixture						
Name of substance	Cas no	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Propan-2-ol	67-63-0	PNEC	2,251 mg/l		Sewage treatment	
		PNEC	140.9 mg/l		Occasional emission	
		PNEC	552 mg/kg		Freshwater sediments	
		PNEC	552 mg/kg		Marine sediments	
		PNEC	28 mg/kg		Soil	
		PNEC	160 mg/kg		Oral	
		PNEC	140.9 mg/l		Fresh water	
		PNEC	140.9 mg/l		Marine water	

8.2 Exposure controls

Engineering measures	Given that application of appropriate engineering measures should always take priority over personal protective equipment, proper ventilation in the workplace should be ensured, using an effective local exhaust ventilation system.
Personal protection equipment	
Eye / face protection	It is recommended to wear hermetic sealed safety glasses (ref. standard EN 166).
Skin protection	Wear long-sleeved work clothes and safety footwear for professional use category I (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing clothing.
Hand protection	Protect hands with category III work gloves (ref. standard EN 374). For the final choice of work gloves the following should be taken into account: compatibility, degradation, breakthrough time and permeation. In the case of preparations, the resistance of the work gloves should be checked before use, as it is not predictable. The wear time of gloves depends on the duration and method of use.
Respiratory protection	If the threshold value (e.g. TWA) of the substance or of one or more substances present in the product is exceeded, it is advisable to use a type A filtered mask, the class (1, 2 or 3) of which is chosen on the basis of the concentration limit. (ref. standard EN 14387). In the presence of gases or vapours of different natures and/or gases or vapours containing particles (aerosols, fumes, mist, etc.), combination filters should be used. The use of respiratory protection equipment is necessary when the technical measures applied are not sufficient to limit worker exposure to the relevant threshold values. In any case, the protection provided by masks is limited. If the substance in question is odourless or its odour threshold is above the corresponding TLV-TWA, and at least in emergencies, use a self-contained breathing apparatus with open-circuit compressed air (ref. standard EN 137) or a self-priming hose mask (ref. standard EN 138). For the correct choice of respiratory protection equipment, refer to standard EN 529.
Thermal hazards	There is no information available.
Environmental exposure controls	Emissions from production processes, including emissions from ventilation equipment, must be controlled as part of compliance with environmental protection legislation. Product residues must not be discharged uncontrolled into wastewater or waterways.

9. Physical and chemical properties		
9.1	Information on basic physical and chemical properties	
Physical state		Sticky liquid.
Colour		Azure blue.
Odour		Characteristic.
Melting / freezing point		Not available.
Boiling point / range (1013 hPa)		Not available.
Flammability		Not flammable.
Explosion limits		Lower explosion limit: Not explosive as it does not contain explosive substances. Upper explosion limit: Not explosive as it does not contain explosive substances.
Flash point		64 °C.
Auto-ignition temperature		Not available.
Decomposition temperature		Not available.
pH		4.75 – 5.25.
Kinematic viscosity		Not available.
Solubility		Not available.
Partition coefficient n-octanol/water		Not available.
Vapour pressure		Not available.
Density or relative density		950 – 1050 g/l.
Relative vapour density		Not available.
Particle characteristics		Not applicable.
9.2	Other information	
Other information		<i>Information on physical hazard classes:</i> Information not available. <i>Other safety characteristics:</i> Information not available.
10. Stability and reactivity		
10.1	Reactivity	
Reactivity		Under normal conditions of use, there are no specific hazards of reaction with other substances. PROPAN-2-OL: May react vigorously with oxidising agents and strong acids.
10.2	Chemical stability	
Stability		This product is stable under normal use and storage conditions.

10.3	Possibility of hazardous reactions																																	
Hazardous reactions		Vapours may form explosive mixtures with air. PROPAN-2-OL: not explosive, formation of explosive vapour/air mixtures is however possible.																																
10.4	Conditions to avoid																																	
Conditions to avoid		Avoid overheating. Avoid accumulation of electrostatic charges. Avoid sources of ignition. PROPAN-2-OL: Keep away from open flame, sparks and other sources of ignition. CHLORHEXIDINE DIGLUCONATE: Overheating.																																
10.5	Incompatible materials																																	
Materials to avoid		CHLORHEXIDINE DIGGLUCONATE Keep away from: oxidising agents. Incompatible with: anionic compounds. PROPAN-2-OL: Oxidising agents, Strong acids, chlorinated compounds, aldehydes, alkanolamines, alkali and alkaline earth metals (aluminium, ...). Some plastics, rubber, amine-epoxy coatings.																																
10.6	Hazardous decomposition products																																	
Hazardous decomposition products		PROPAN-2-OL: Carbon oxides. CHLORHEXIDINE DIGLUCONATE: Carbon oxides (CO, CO2). chlorine.																																
11. Toxicological information																																		
11.1	Information on hazard classes as defined in Regulation (EC) No. 1272/2008																																	
Acute toxicity ATE (inhalatory) = Not classified (no relevant component). ATE (oral) = Not classified (no single relevant component). ATE (dermal) = Not classified (no single relevant component).																																		
<table><tr><th>Cas no.</th><th>Name of substance</th><th>Route of exposure</th><th>Dosis</th><th>Species</th></tr><tr><td>67-63-0</td><td>Propan-2-ol</td><td>Dermal</td><td>LD50 = 16.4 ml/kg</td><td>Rabbit</td></tr><tr><td></td><td></td><td>Oral</td><td>LD50 = 5,840 mg/kg</td><td>Rat</td></tr><tr><td></td><td></td><td>Inhalation vapour</td><td>LC50 = >10.,00 ppm</td><td>Rat</td></tr><tr><td>18472-51-0</td><td>Chlorhexidine digluconate</td><td>Dermal</td><td>LD50 = >2,000 mg/kg</td><td>-</td></tr><tr><td></td><td></td><td>Oral</td><td>LD50 = 2,000 mg/kg</td><td>Rat</td></tr></table>					Cas no.	Name of substance	Route of exposure	Dosis	Species	67-63-0	Propan-2-ol	Dermal	LD50 = 16.4 ml/kg	Rabbit			Oral	LD50 = 5,840 mg/kg	Rat			Inhalation vapour	LC50 = >10.,00 ppm	Rat	18472-51-0	Chlorhexidine digluconate	Dermal	LD50 = >2,000 mg/kg	-			Oral	LD50 = 2,000 mg/kg	Rat
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Skin corrosion / irritation		Does not meet the criteria for classification in this hazard class. PROPAN-2-OL: Not irritating to skin. CHLOREXIDINE DIGLUCONATE: This material has shown low irritant potential on contact with rabbit skin.																																
Serious eye damage / irritation		Does not meet the criteria for classification in this hazard class. PROPAN-2-OL: Causes severe eye irritation. CHLORHEXIDINE DIGLUCONATE: Causes serious eye damage. It may cause serious eye damage.																																
Respiratory or skin sensitisation		Does not meet the criteria for classification in this hazard class. CHLORHEXIDINE DIGLUCONATE: Rare cases of allergic reactions have been reported. This material is not considered a skin sensitizer. PROPAN-2-OL: Not classified.																																

Germ cell mutagenicity	Does not meet the criteria for classification in this hazard class. CHLORHEXIDINE DIGLUCONATE: There is no indication of mutagenic potential. PROPAN-2-OL: Not classified.
Carcinogenicity	Does not meet the criteria for classification in this hazard class. CHLORHEXIDINE DIGLUCONATE: There is no evidence that this product poses a carcinogenic risk under normal conditions of handling and use. PROPAN-2-OL: Not classified.
Reproductive toxicity	Does not meet the criteria for classification in this hazard class. CHLORHEXIDINE DIGLUCONATE: No evidence of reproductive or developmental toxicity. PROPAN-2-OL: Not classified.
Specific target organ toxicity – single exposure	Does not meet the criteria for classification in this hazard class. PROPAN-2-OL: May cause drowsiness or dizziness. CHLORHEXIDINE DIGLUCONATE: May cause respiratory tract irritation.
Specific target organ toxicity – repeated exposure	Does not meet the criteria for classification in this hazard class. PROPAN-2-OL: Not classified. CHLORHEXIDINE DIGLUCONATE: Not classified.
Aspiration hazard	Does not meet the criteria for classification in this hazard class. CHLORHEXIDINE DIGLUCONATE: Not classified. PROPAN-2-OL: Not classified.

11.2 Information on other hazards

Other hazards	Based on available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with human health effects being assessed.
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12. Ecological information

12.1 Toxicity

Ecotoxicity
CHLORHEXIDINE DIGLUCONATE: Very toxic to aquatic organisms, with long-lasting effects.
M-factor (acute toxicity) = 10
M-factor (chronic toxicity) = 1

Cas nr	Name of substance	Aquatic toxicity	Dosis	h/d	Species
18472-51-0	Chlorhexidine digluconate	Fish toxicity	LC50 = 2.08 mg/l	96 h	Pesci
		Crustaceans toxicity	EC50 = 0.087 mg/l	48 h	Daphnia magna
		Algae / aquatic plants toxicity	EC50 = 0.081 mg/l	72 h	Alghe
67-63-0	Propan-2-ol	Acute (short-term) fish toxicity	LC50 = 9,640 mg/l	96 h	Pimephales promelas
		Acute (short-term) crustaceans toxicity	LC50 = >10,000 mg/l	24 h	Daphnia
		Acute (short-term) algae and cyanobacteria toxicity	EC50 = 1,800 mg/l	7 d	Scenedesmus quadricauda

12.2 Persistence and degradability

Persistence and degradability	CHLORHEXIDINE DIGLUCONATE: Not readily biodegradable. PROPAN-2-OL: Readily biodegradable.
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12.3	<u>Bioaccumulation</u>	
Bioaccumulation		CHLORHEXIDINE DIGLUCONATE: Bioconcentration factor (BCF): 42 l/kg. PROPAN-2-OL: Poorly bioaccumulative.
12.4	<u>Mobility in soil</u>	
Mobility		CHLORHEXIDINE DIGLUCONATE: logKoc:> 3.9. PROPAN-2-OL: The product has a very high mobility potential.
12.5	<u>Results of PBT and vPvB assessment</u>	
Evaluation		Based on available data, the product does not contain any PBT or vPvB substances at a percentage ≥ than 0.1%.
12.6	<u>Endocrine disrupting properties</u>	
Endocrine disrupting potential		Based on available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with environmental effects being assessed.
12.7	<u>Other adverse effects</u>	
Other adverse effects		No further relevant information available.
13. Disposal considerations		
13.1	<u>Waste treatment methods</u>	
Waste from residues / unused products		Reuse, if possible. Product residues should be considered as hazardous special waste. The degree of hazardousness of waste, some of which contains this product, must be assessed on the basis of the legislation in force. Dispose of by a licensed waste disposal company in accordance with national and, if applicable, local regulations.
European list of waste products		There is no information available.
Removal of contaminated packaging		Contaminated packaging material must be sent to recycling or waste treatment centres in accordance with national regulations on waste management.
14. Transport information		
14.1	<u>UN-number</u>	
UN-number		No dangerous good according to ADR/RID/ADN/IMDG/ICAO-IATA regulations.
14.2	<u>UN proper shipping name</u>	
ADR/RID/ADN name		No dangerous good according to ADR/RID/ADN regulations.
IMDG name		No dangerous good according to IMDG regulations.
IATA name		No dangerous good according to ICAO-IATA regulations.
14.3	<u>Transport hazard class(es)</u>	
Class		Not applicable.

14.4	<u>Packing group</u>	
Packing group	Not applicable.	
14.5	<u>Environmental hazards</u>	
Environmentally hazard	Not applicable.	
Marine pollutant	There is no information available.	
14.6	<u>Special precautions for user</u>	
Not applicable.		
14.7	<u>Maritime transport in bulk according to IMO instruments</u>	
Information not applicable.		
15.	Regulatory information	
15.1	<u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>	
Relevant EU rule(s)	<i>Seveso category - Directive 2012/18/EU:</i> None. <i>Restrictions on the product or substances contained according to Annex XVII Regulation (EC) 1907/2006:</i> Product: Item 3 - 40. Substances contained: Point 75. <i>Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors:</i> Not applicable. <i>Substances in Candidate List (Art. 59 REACH):</i> Based on available data, the product does not contain any SVHC substances with a percentage $\geq$ than 0.1%. <i>Substances subject to authorisation (Annex XIV REACH):</i> None. <i>Substances subject to export notification Regulation (EU) 649/2012:</i> None. <i>Substances subject to the Rotterdam Convention:</i> None. <i>Substances subject to the Stockholm Convention:</i> None. <i>Sanitary controls:</i> Information not available.	
National regulations	There is no information available.	
15.2	<u>Chemical Safety Assessment</u>	
For the mixtures / substances indicated in section 3, no chemical safety assessment has been carried out.		
16.	Other information	
Indication of changes (revised safety data sheet)	Alignment to regulation. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. Restructuring and revising sections 1 to 15.	
Sources of used key data	This information is based on the currently available information (Producer(s)). See also the website: https://echa.europa.eu/information-on-chemicals/registered-substances	

(EU)H-statement(s)	H225 Highly flammable liquid and vapour. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Classification procedure	Physical-chemical hazards: The classification of the product is derived from the criteria of the CLP Regulation, Annex I, Part 2. The assessment methods of the chemical and physical properties are shown in Part 9. Health hazards: The classification of the product is based on the calculation methods of CLP Annex I, Part 3, unless otherwise provided in Part 11. Environmental hazards: The classification of the product is based on the calculation methods in Annex I of CLP, Part 4, unless otherwise provided for in Part 12.
List of abbreviations and acronyms	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADR/RID/ADN: Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways. Aquatic Acute: Hazardous to the aquatic environment – acute hazard. Aquatic Chronic: Hazardous to the aquatic environment – chronic hazard. ATE: Acute toxicity estimate. BCF: Bio-concentration factor. CAS: Chemical Abstracts Service. CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008. DGR: Dangerous Goods Regulations. DNEL: Derived No Effect Level. DMEL: Derived Minimal Effect Level. EC-No.: The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union). EINECS: European Inventory of Existing Commercial Chemical Substances. ELINCS: European List of Notified Chemical Substances. EC50: Effective Concentration 50%. Eye Dam.: Serious eye damage. Eye Irrit.: Serious eye irritation. Flam. Liq.: Flammable liquid. GHS: Globally Harmonized System of Classification and Labelling of Chemicals. IATA: International Air Transport Association (provisions concerning the international carriage of dangerous goods by air). IATA/DGR: Dangerous Goods Regulations (DGR) for the air transport (IATA). ICAO: International Civil Aviation Organization. ICAO-TI: Technical instructions for the safe transport of dangerous goods by air. IMDG: International Maritime Dangerous Goods Code. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population. M-factor: Multiplication factor. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. SCL: Specific concentration limit. STOT SE : Specific target organ toxicity —single exposure. SVHC: Substances of Very High Concern. vPvB: Very Persistent and Very Bioaccumulative.

This information is to our knowledge correct and complete on the date of issue of this safety data sheet. The information only concerns the product and does not give any guarantee for the quality and the completeness of the properties of the product, or in case of mixing or using in any other process. It remains the responsibility of the user to assure himself that the information is suitable and complete concerning the special use he makes of the product.
Holland Animal Care B.V. denies all responsibility for loss or damage resulting from the use of these data.

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