







MSDS MATERIAL SAFETY DATA SHEET	0.1 Product	<i>Maxi Dry Cow Teat Seal</i>
	0.2 Status	Active
	0.3 Version	2
	0.4 Version date	02-02-2023
1. Identification of the product and of the company		
1.1	<u>Product identification</u>	
Product name	<i>Maxi Dry Cow Teat Seal</i>	
Trade name	<i>Maxi Dry Cow Teat Seal</i>	
Article code	MAXI2200 / MAXI2214	
Chemical description	Mixture	
UFI	7PX7-CC44-S00U-CYP1	
REACH registration number	-	
1.2	<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Identified use(s)	Udder care product.	
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>										
<p>Classification according to Regulation (EC) no. 1272/2008: Flam. Liq. 2; Flammable liquid, category 2; H225 Eye Irrit. 2; Serious eye damage/eye irritation, category 2; H319 STOT SE 3; Specific target organ toxicity —single exposure, category 3; H336</p> <p>The full text of the (EU)H-statements can be found in section 16.</p>											
2.2	<u>Label elements</u>										
<p>Labelling according to Regulation (EC) no. 1272/2008:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Hazardous component(s)</td> <td>Butanone Ethyl acetate</td> </tr> <tr> <td>Hazard pictogram(s)</td> <td style="text-align: center;">   </td> </tr> <tr> <td>Signal word</td> <td>Danger</td> </tr> <tr> <td>Hazard statements</td> <td>H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.</td> </tr> <tr> <td>Precautionary measures</td> <td> <ul style="list-style-type: none"> - General - Prevention <p>P101 If medical advice is needed, have product container or label at hand. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P261 Avoid breathing dust/fume/gas/mist/vapours/ spray. P271 Use only outdoors or in a well-ventilated area. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <ul style="list-style-type: none"> - Response </td> </tr> </table>		Hazardous component(s)	Butanone Ethyl acetate	Hazard pictogram(s)	 	Signal word	Danger	Hazard statements	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.	Precautionary measures	<ul style="list-style-type: none"> - General - Prevention <p>P101 If medical advice is needed, have product container or label at hand. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P261 Avoid breathing dust/fume/gas/mist/vapours/ spray. P271 Use only outdoors or in a well-ventilated area. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <ul style="list-style-type: none"> - Response
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2.3	<u>Other hazards</u>										
Results of PBT and vPvB assessment	<p>This product contains no components at concentrations of 0.1% or higher that are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).</p> <p>The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.</p>										
Endocrine disrupting properties	<p>This product does not contain substances above the legal limit values listed under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or having endocrine disrupting or endocrine damaging properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.</p>										

3. Composition/information on ingredients

3.1 Substances Not relevant (mixture).

3.2 Mixtures Hazardous components:

Name component(s)	weight %	CAS no.	EINECS no.	Index no.	Reach no.	Classification
Ethanol; ethyl alcohol	≥ 35 - < 40	64-17-5	200-578-6	603-002-00-5	01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319
Butanone; ethyl methyl ketone	≥ 10 - < 15	78-93-3	201-159-0	606-002-00-3	-	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066
Ethyl acetate	≥ 10 - < 15	141-78-6	205-500-4	607-022-00-5	-	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066

The full text of the (EU)H-statements can be found in section 16.

Specific concentration limit, multiplication factor, acute toxicity estimation

Name component(s)	CAS no.	SCL, M-factor, ATE
Ethanol; ethyl alcohol	64-17-5	Eye Irrit. 2 ; H319: C ≥ 50 %

The full text of the (EU)H-statements can be found in section 16.

4. First aid measures

4.1 Description of first aid measures

General	Symptoms may also appear only after many hours, therefore medical observation is necessary for at least 48 hours after the accident.
First aid measures in case of inhalation	Provide fresh air. If unconscious and breathing exist, place in stable side position and seek medical advice.
First aid measures in case of skin contact	After contact with skin, wash immediately with plenty of soap and water.
First aid measures in case of eye contact	In case of eye contact, rinse eyes with open eyelids with water for sufficient time, then consult an ophthalmologist immediately.
First aid measures in case of ingestion	If swallowed, drink water immediately. Consult a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache , nausea , intoxication

Symptoms
Important or further important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11 (Toxicological information). (Further) symptoms and/or effects are not yet known. Experience shows that no special hazards are to be expected if the product is handled and used as intended.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Symptoms (disinfection, vital signs), no known specific antidote.

5. Firefighting measures	
5.1	<u>Extinguishing media</u>
Suitable extinguishing media	Carbon dioxide (CO ₂), extinguishing powder, water spray, alcohol resistant foam. Match extinguishing measures to environment.
Unsuitable extinguishing media	Strong water jet, hard water jet.
5.2	<u>Special hazards arising from the substance or mixture</u>
Special exposure hazards	Thermal decomposition may lead to the release of irritating gases and vapours.
5.3	<u>Advice for firefighters</u>
Special protective equipment	Complete protective suit. Use appropriate respiratory protection device.
5.4	<u>Additional information</u>
To protect persons and cool containers, deploy water spray in the danger area. If possible without danger, remove undamaged containers from the danger area.	
6. Accidental release measures	
6.1	<u>Personal precautions, protective equipment and emergency procedures</u>
Personal precautions	Ensure adequate ventilation. See protective measures under sections 7 and 8. Risk of slipping if product runs out or spills.
6.2	<u>Environmental precautions</u>
Environmental precautions	Do not discharge into drains or open waters.
6.3	<u>Methods and material for containment and cleaning up</u>
Methods for cleaning up	Absorb with liquid binding agents (sand, diatomaceous earth, acid binder, universal binder). Treat the absorbed material according to chapter "waste storage".
6.4	<u>Reference to other sections</u>
Safe handling	See section 7.
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	Handle and open container with care. Use only in well-ventilated areas. Prevention of: aerosol generation/formation.
Protection against fire and explosion	Keep away from sources of ignition - No smoking. Take precautions against static discharges. Always close containers tightly after removing the product.
7.2	<u>Conditions for safe storage, including any incompatibilities</u>
Storage	Avoid: UV radiation/sunlight Do not expose to temperatures above 50 °C. Keep closed container in a well-ventilated place.

Requirements for storage rooms and containers	Floors should be impermeable, liquid-resistant and easy to clean. Ensure adequate ventilation of the storage area. Store only in the original packaging. Keep container tightly closed.
Packaging material	There is no information available.
Unsuitable packaging material	There is no information available.

7.3 Specific end use(s)

Read the instruction manual before use. See section 1.2.

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/m ³)	TWA- 15 min (ppm)	TWA-15 min (mg/m ³)	Source
78-93-3	Butanone; ethyl methyl ketone	200	600	300	900	EC
			600			REACH
		200	600	200	600	TRGS 900 (DE)
141-78-6	Ethyl acetate	734		1468		REACH
		200	730	400	1460	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	Route of exposure	Used in	Exposure time	Assessment coefficient
Ethanol; ethyl alcohol	64-17-5	DNEL	114 mg/m ³	Inhalation	Consumer	Long-term	-
		DNEL	206 mg/kg	Dermal	Consumer	-	Day(s)
		DNEL	87 mg/kg	Oral	Consumer	-	Day(s)
		DNEL	950 mg/m ³	Inhalation	Worker	Long-term	-
		DNEL	343 mg/kg	Dermal	Worker	Long-term	Day(s)

PNECs

Relevant PNECs of components of the mixture				
Name of substance	Cas no	End-point	Threshold level	Environmental compartment
Ethanol; ethyl alcohol	64-17-5	PNEC	0.96 mg/l	Fresh water
		PNEC	0.79 mg/l	Marine water
		PNEC	3.6 mg/kg	Freshwater sediments
		PNEC	2,9 mg/kg	Marine sediments
		PNEC	0.63 mg/l	Soil
		PNEC	0.38 g/kg	Secondary poisoning

8.2	Exposure controls
Engineering measures	There is no information available.
Personal protection equipment	
General	Use personal protective equipment. Do not eat, drink, smoke or sniff in the workplace. Wash hands before work break and end of work.
Eye / face protection	Wear spectacles with side protection EN 166. 
Body protection	Wear antistatic shoes and work clothes. Protective clothing. EN 13034 Natural fibre (cotton) , heat-resistant synthetic fibres Chemical-resistant safety shoes DIN EN 13832-2.
Hand protection	In case of short-term skin contact: Suitable glove type Disposable gloves. NBR (Nitrile rubber). In case of repeated hand contact: Check tightness/impermeability before use. Suitable material CR (polychloroprene, chloroprene rubber). Butyl rubber. Penetration time 480 min. Thickness of glove material 5 mm. Note: When handling chemical work materials, gloves protecting against chemicals with CE mark including the four-digit control number may be worn. EN ISO 374. 
Respiratory protection	Normally, no personal respiratory protection is necessary.
Thermal hazards	There is no information available.
Environmental exposure controls	There is no information available.

9. Physical and chemical properties

9.1	Information on basic physical and chemical properties
Physical state	Liquid.
Colour	Blue.
Odour	Characteristic.
Odour threshold	Not available.
Melting / freezing point	Not applicable.
Boiling point / range (1013 hPa)	Not available.
Flammability	Not available.
Explosion limits	Upper explosion limit: 3.3 Vol-%. Lower explosion limit: 19 Vol-%.
Flash point	10 – 23 °C.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.

pH	Not available.
Viscosity	Not available.
Kinematic viscosity	Not relevant.
Solubility	Not available.
Partition coefficient n-octanol/water	Not available.
Vapour pressure	Not available.
Density or relative density	0.9 g/cm ³ by 20 °C.
Relative vapour density	Not available.
Evaporation rate	Not available.
Particle characteristics	Not available.
Maximum VOC content (EC)	54.6 %.
Flammable solids	Not applicable.
Flammable gases	Not applicable.
Oxidising liquids	Not relevant.
Explosion characteristics	Not applicable.
Corrosive to metals	Not relevant.
9.2	<u>Other information</u>
Other information	No further relevant information available.
10. Stability and reactivity	
10.1	<u>Reactivity</u>
Reactivity	No hazardous reactions occur when maintained and stored according to regulations.
10.2	<u>Chemical stability</u>
Stability	The substance is chemically stable under the recommended conditions of storage, use and temperature.
10.3	<u>Possibility of hazardous reactions</u>
Hazardous reactions	No hazardous reactions are known.
10.4	<u>Conditions to avoid</u>
Conditions to avoid	See section 7 of the safety data sheet.
10.5	<u>Incompatible materials</u>
Materials to avoid	Oxidising agent, strong.
10.6	<u>Hazardous decomposition products</u>
Hazardous decomposition products	Does not decompose when used as directed.

11. Toxicological information	
11.1	<u>Information on hazard classes as defined in Regulation (EC) No. 1272/2008</u>
Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion / irritation	Based on available data, the classification criteria are not met.
Serious eye damage / irritation	Causes serious eye irritation.
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	Based on available data, the classification criteria are not met.
Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
11.2	<u>Information on other hazards</u>
Other hazards	The product has not been tested. Toxicity statements are derived from the properties of the individual ingredients.
12. Ecological information	
12.1	<u>Toxicity</u>
Ecotoxicity	The product was not checked. The statement is derived from the properties of the individual components.
Aquatic toxicity	Based on available data, the classification criteria are not met.
12.2	<u>Persistence and degradability</u>
Persistence and degradability	When properly introduced at low concentrations in adapted biological treatment plants, no disturbances in the degradation activity of activated sludge can be expected.
12.3	<u>Bioaccumulation</u>
Bioaccumulation	There is no information available.
12.4	<u>Mobility in soil</u>
Mobility	There is no information available.
12.5	<u>Results of PBT and vPvB assessment</u>
Evaluation	This product contains no components at concentrations of 0.1% or higher that are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB). The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

12.6 Endocrine disrupting properties		
Endocrine disrupting potential	This product does not contain substances above the legal limit values listed under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or having endocrine disrupting or endocrine damaging properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	
12.7 Other adverse effects		
The product does not contain any substances listed in Regulation (EC) 1005/2009 on ozone-depleting substances.		
12.8 Additional eco-toxicological information		
Do not allow product to enter the environment uncontrolled.		
13. Disposal considerations		
13.1 Waste treatment methods		
Waste from residues / unused products	Waste disposal according to government regulations.	
European list of waste products	There is no information available.	
Removal of contaminated packaging	Contaminated containers should be completely emptied and can be reused after adequate cleaning.	
14. Transport information		
Transport per road, rail or inland waterways (ADR/RID/ADN)	14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL · METHYL ETHYL KETONE) 3 II Danger label : 3 Classification code: F1 Hazard identification No.: 33 Tunnel restriction code: D/E <i>Special provisions</i> Limited quantities (LQ): 1 I Excepted quantities : E2 ADR : III (<= 450 l)
Transport per marine ship (IMDG)	14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL · METHYL ETHYL KETONE) 3 II Danger label: 3 EmS: F-E, <u>S-E</u> <i>Special provisions</i> Limited quantities (LQ): 1 I Excepted quantities : E2 IMDG 2.3.2.2 (packing group III <= 450 l)

Transport by air (ICAO-IATA)	14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	UN 1993 Flammable liquid, n.o.s. (ethanol – methyl ethyl ketone) 3 II Danger label: 3 <i>Special provisions</i> Excepted quantities : E2 IATA 3.3.3.1 (packing group III <= 30 l)
14.5	<u>Environmental hazards</u>	
Environmentally hazard	No.	
Marine pollutant	There is no information available.	
14.6	<u>Special precautions for user</u>	
None.		
14.7	<u>Maritime transport in bulk according to IMO instruments</u>	
May not be transported as bulk in accordance with the IBC Code.		
15. Regulatory information		
15.1	<u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>	
Relevant EU rule(s)	Regulation (EC) No 1907/2006 (REACH), Annex XVII (restrictions): Use restriction according to REACH Annex XVII, no. : 3, 40, 75.	
National regulations	There is no information available.	
15.2	<u>Chemical Safety Assessment</u>	
No chemical safety assessment has been carried out for this preparation. A chemical safety assessment has been carried out for the following substances in this mixture: ETHANOL ; REACH no. : 01-2119457610-43 ; EC no. : 200-578-6; CAS no. : 64-17-5.		
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. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking.	
Classification procedure	Classification of mixtures and method of evaluation applied in accordance with Regulation (EC) No 1272/2008 [CLP].	

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.
 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.
 Eye Irrit.: 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).
 IBC-code: International code for the construction and equipment of ships carrying dangerous chemicals in large quantities.
 ICAO: International Civil Aviation Organization.
 ICAO-TI: Technical instructions for the safe transport of dangerous goods by air.
 IMDG: International Maritime Dangerous Goods Code.
 Log KOW: n-Octanol/water.
 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.
 TRGS: Technical regulations for hazardous substances.
 VOC: Volatile organic compounds.
 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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