

MSDS		0.1 Product	Shield Spray
MATERIAL SAFETY DATA SHEET		0.2 Status	Active
		0.3 Version	2
		0.4 Version date	09-10-2025
1. Identification of the substance/mixture and of the company			
1.1	Product identification		
Product name	Shield Spray		
Trade name	Excellent Horse Shield Spray		
Product code	EQUI0001BBG (75 ml Sponge; NL+FR) EQUI0001BC (500 ml Spray; NL+DE+EN+FR) EQUI0001BCD (2,5 L Refill; NL+DE+EN+FR)		
Chemical description	Mixture		
UFI	5300-80Y8-6008-CHQD		
REACH registration number	-		
1.2	Relevant identified uses of the substance or mixture and uses advised against		
Identified use(s)	Deodorant for horses.		
Use(s) advised against	No identified		
1.3	Details of the supplier of the safety data sheet		
Company identification	Name	Hofman Animal Care B.V.	
Contact details	Address	De Leemkoele 2	
	Zip code	7468 DM	
	Town	Enter	
	Country	The Netherlands	
	Telephone	+31 (0)548-545277	
	E-mail	info@hofmananimalcare.nl	
	Website	www.hofmananimalcare.com	
1.4	Emergency telephone number		
Emergency telephone number	The Netherlands: National Poisoning Information Centre – Utrecht TEL: +31 (0) 88 755 8000 Belgium: Antipoison Centre – Brussels TEL: +32 (0)70 245 245 (Only for the purpose of informing medical personnel in case of acute intoxications)		
2. Hazards identification			
2.1	Classification of the substance or mixture		
Classification according to Regulation (EC) no. 1272/2008: Skin Sens. 1; Skin sensitisation, category 1 ; H317 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	Label elements		
Labelling according to Regulation (EC) no. 1272/2008:			
Hazardous component(s)	d-limonene; myrcene; α -pinene; β -pinene; 3-carene; linalol		
Hazard pictogram(s)			
Signal word	Warning		
Hazard statements - Health hazards	H317 May cause an allergic skin reaction.		

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-	Environmental hazards	H412 Harmful to aquatic life with long lasting effects.					
Precautionary statements		P102 Keep out of reach of children. P261 Avoid breathing mist. P280 Wear protective gloves/eye protection. P302 + P352 IF ON SKIN: wash with plenty of water. P333 + P313 If skin irritation or rash occurs: get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container to a collection point for hazardous or special waste in accordance with local, regional, national and/or international regulations.					
-	General						
-	Prevention						
-	Response						
-	Disposal						
2.3	Other hazards						
Results of PBT and vPvB assessment		The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.					
Endocrine disrupting properties		This product does not contain any substances with endocrine-disrupting properties with regard to non-target organisms, as none of the ingredients meet the criteria.					
3. Composition / information on ingredients							
3.1	Substances		Not applicable (mixture).				
3.2	Mixtures		Mixture of substances below with non-hazardous additions.				
Name component(s)		Weight %	CAS no.	EINECS no.	Index no.	REACH no.	Classification
d-limonene; (R)-p-mentha-1,8-dien		< 3	5989-27-5	227-813-5	601-096-00-2	01-2119529223-47	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Myrcene; 7-methyl-3-methyleneocta-1,6-diene		< 0.5	123-35-3	204-622-5			Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
α-pinene; Pin-2(3)-ene		< 0.5	80-56-8	201-291-9		01-2119519223-49	Flam. Liq. 3, H226 Acute Tox. 4 (Oraal), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
β-pinene; Pin-2(10)-ene		< 0.5	127-91-3	204-872-5			Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3-carene; 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene		< 0.5	13466-78-9	236-719-3			Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalol; 3,7-dimethyl-1,6-octadien-3-ol		< 0.5	78-70-6	201-134-4		01-2119474016-42	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
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
d-limonene; (R)-p-mentha-1,8-dien	5989-27-5	M-factor (acute) M=1
α -pinene; Pin-2(3)-ene	80-56-8	M-factor (acute) M=1

4. First aid measures

4.1 Description of first aid measures

General	If they feel unwell, consult a doctor.
First aid measures in case of inhalation	Take the person into the fresh air and ensure that they can breathe easily. If they feel unwell, consult a doctor (show them this label if possible).
First aid measures in case of skin contact	Wash skin thoroughly with water. Remove contaminated clothing. If skin irritation or rash occurs: consult a doctor.
First aid measures in case of eye contact	Rinse carefully with water for several minutes. Remove contact lenses, if possible. Continue rinsing. If eye irritation persists, consult a doctor.
First aid measures in case of ingestion	If they feel unwell, consult a poison control centre or doctor.
First aid for first aiders	If you feel unwell, consult a poison control centre or doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	Although no effects on human or animal health are known, it is assumed that this product poses a risk if inhaled.
Symptoms/effects after skin contact	May cause an allergic skin reaction.
Symptoms/effects after eye contact	None under normal circumstances.
Symptoms/effects after oral ingestion	None under normal circumstances.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray; dry powder; foam; carbon dioxide.
Unsuitable extinguishing media	Strong water jet.

5.2 Special hazards arising from the substance or mixture

Fire hazard	No fire hazard.
Explosion hazard	No direct explosion hazard.
Hazardous decomposition products in case of fire	Possible formation of toxic vapours.

5.3 Advice for firefighters

Fire safety precautions	Cool down containers exposed to heat by spraying them with water.
Extinguishing instructions	Fight the fire from a safe distance and a sheltered location. Do not enter the fire zone without suitable safety equipment, including respiratory protection.
Protection during firefighting	Do not intervene without suitable safety equipment. Self-contained breathing apparatus. Full protective clothing.
Other information	Ensure that the extinguishing material does not enter the sewer system or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures	Plug the leak if it can be done safely. Notify the authorities if the product enters the sewer system or open water. Absorb leaked/spilled material to prevent material damage.
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For non-emergency personnel

Protective equipment	Wear recommended personal protective equipment.
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Emergency procedures		Ventilate contaminated area. Avoid contact with skin and eyes. Avoid inhaling spray mist.				
For emergency responders						
Protective equipment		Do not intervene without suitable safety equipment. For further information, see section 8: Exposure control measures/personal protection.				
Emergency procedures		Let redundant staff go. Plug the leak if it can be done safely.				
6.2	Environmental precautions					
Avoid release to the environment.						
6.3	Methods and material for containment and cleaning up					
For enclosure		Absorb spilled products with sand or earth. Contain spilled liquid with dikes or absorbents to prevent it from spreading and flowing into drains or rivers. If possible, seal the leak without taking any risks.				
Cleaning methods		Absorb spilled liquid with an absorbent material.				
Other information		Take waste materials or solid residues to an approved waste processing company.				
6.4	Reference to other sections					
Personal protection		See section 8.				
Removal of the waste product		See section 13.				
7. Handling and storage						
7.1	Precautions for safe handling					
Handling		<i>Additional hazards during processing:</i> Under normal conditions of use, it is not considered to pose a serious risk. <i>Precautions for safe handling of the substance or mixture:</i> Ensure good ventilation of the workplace. Avoid contact with skin and eyes. Avoid inhalation of spray mist. Wear personal protective equipment. <i>Hygiene measures:</i> Contaminated work clothing must not leave the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke while using this product. Always wash hands after handling this product.				
7.2	Conditions for safe storage, including any incompatibilities					
Technical measures		Store in a cool, well-ventilated area, away from heat.				
Storage conditions		Store in a well-ventilated place. Keep cool. Protect from frost.				
Incompatible materials		Not expected.				
Storage location		Keep away from food, drink and animal feed.				
Packaging material		Always store the product in packaging made from the same material as the original packaging.				
7.3	Specific end use(s)					
No additional information available.						
8. Exposure controls / personal protection						
8.1	Control parameters					
Occupational exposure measures						
Occupational exposure limit values						
CAS nr.	Substance name	TWA-8h (ppm)	TWA-8h (mg/m³)	TWA-15 min (ppm)	TWA-15 min (mf/m³)	Source
5989-27-5	d-limonene		110			NL
		5	28	20	112	TRGS 900 (DE)

8.2	<u>Exposure controls</u>	
Appropriate engineering controls	Ensure good ventilation of the workplace.	
Personal protection equipment		
Eye / face protection	Safety glasses. ISO 16321-1.	
Skin protection	Wear suitable protective clothing. ISO 13688.	
Hand protection	Protective gloves. Chemically resistant gloves (in accordance with European standard NF ISO 374-1 or equivalent). Breakthrough time: see manufacturer's recommendations.	
Respiratory protection	In case of inadequate ventilation, use a suitable breathing apparatus. EN 14387. EN 136.	
Environmental exposure controls	Avoid release to the environment.	
9. Physical and chemical properties		
9.1	<u>Information on basic physical and chemical properties</u>	
Physical state	Liquid.	
Colour	Yellowish.	
Odour	Orange.	
Odour threshold	Not available.	
Melting point	Not applicable.	
Freezing point	Not available.	
Boiling point	Not available.	
Flammability	Not available.	
Explosive properties	Non-explosive according to EC criteria.	
Oxidising properties	Non-oxidising according to EC criteria.	
Lower explosion limit	Not available.	
Upper explosion limit	Not available.	
Flash point	> 60°C (estimated value)	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
pH	Not available.	
Kinematic viscosity	Not available.	
Solubility	Soluble in water.	
Partition coefficient n-octanol/water	Not available.	
Vapour pressure	Not available.	
Vapour pressure at 50°C	Not available.	
Density	Not available.	
Relative density	Not available.	
Relative vapour density	Not available.	
Particle characteristics	Not applicable.	
9.2	<u>Other information</u>	
Other information	No additional information available.	
10. Stability and reactivity		
10.1	<u>Reactivity</u>	
The product is not reactive under normal conditions of use, storage and transport.		
10.2	<u>Chemical stability</u>	
The product is stable under normal processing and storage conditions.		
10.3	<u>Possibility of hazardous reactions</u>	
No dangerous reactions known under normal conditions of use.		
10.4	<u>Conditions to avoid</u>	
None under recommended storage and handling conditions (see section 7).		
10.5	<u>Incompatible materials</u>	
Not to be expected.		

10.6	Hazardous decomposition products	
Under normal storage and use conditions, no hazardous decomposition products will be produced.		
11. Toxicological information		
11.1	Information on hazard classes as defined in Regulation (EC) no. 1272/2008	
Acute toxicity: inhalation		Not classified as toxic by inhalation (Based on available data; classification criteria not met).
Acute toxicity: skin contact		Not classified as toxic in contact with skin (Based on available data; classification criteria not met).
Acute toxicity: ingestion		Not classified as toxic if swallowed (Based on available data; classification criteria not met).
Skin corrosion/irritation		Not classified as corrosive or irritating to the skin (Based on available data; classification criteria not met).
Aspiration hazard		Not classified as hazardous if inhaled (Based on available data; classification criteria not met).
Serious eye damage/irritation		Not classified as causing serious eye damage or eye irritation (Based on available data; classification criteria not met).
Respiratory or skin sensitisation		May cause an allergic skin reaction.
Germ cell mutagenicity		Not classified as mutagenic in germ cells (Based on available data; classification criteria not met).
Carcinogenicity		Not classified as carcinogenic (Based on available data; classification criteria not met).
Reproductive toxicity		Not classified as toxic to reproduction (Based on available data; classification criteria not met).
Specific target organ toxicity – single exposure		Not classified as specific target organ toxic (single exposure) (Based on available data; classification criteria not met).
Specific target organ toxicity – repeated exposure		Not classified as specific target organ toxic (repeated exposure) (Based on available data; classification criteria not met).
11.2	Information on other hazards	
No additional information available.		
12. Ecological information		
12.1	Toxicity	
Ecology – general		Harmful to aquatic organisms, with long-lasting effects.
Hazard to the aquatic environment, (acute) in the short term.		Not classified (Based on available data; classification criteria are not met).
Hazard to the aquatic environment, (chronic) in the long term.		Harmful to aquatic organisms, with long-lasting effects.
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
LC50 – Fish [1]		0.72 mg/l
EC50 – Other aquatic organisms [1]		0.35 mg/l Diplostraca
Pin-2(3)-ene (80-56-8)		
LC50 – Fish [1]		0.28 mg/l
EC50 – Other aquatic organisms [1]		1.44 mg/l Diplostraca
linalol; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalol (78-70-6)		
LC50 – Fish [1]		27.8 mg/l
EC50 – Other aquatic organisms [1]		20 mg/l Diplostraca
EC50 – Other aquatic organisms [2]		88.3 mg/l

12.2 Persistence and degradability

Shield spray	
Persistence and degradability	Rapidly degradable.
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Persistence and degradability	Rapidly degradable.
7-methyl-3-methylenoocta-1,6-diene (123-35-3)	
Persistence and degradability	Rapidly degradable.
Pin-2(3)-ene (80-56-8)	
Persistence and degradability	Rapidly degradable.
Pin-2(10)-ene (127-91-3)	
Persistence and degradability	Rapidly degradable.
3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9)	
Persistence and degradability	Rapidly degradable.
linalol; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalol (78-70-6)	
Persistence and degradability	Rapidly degradable.

12.3 Bioaccumulative potential

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38
Pin-2(3)-ene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.32
linalol; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalol (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Component	
Substances do not meet the PBT criteria of the REACH Regulation, in accordance with Annex XIII	R)-p-mentha-1,8-diene; d-limonene (5989-27-5), 7-methyl-3-methylenoocta-1,6-diene (123-35-3), Pin-2(3)-ene (80-56-8), linalol; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalol (78-70-6).
Substances do not meet the vPvB criteria of the REACH Regulation, in accordance with Annex XIII	(R)-p-mentha-1,8-diene; d-limonene (5989-27-5), 7-methyl-3-methylenoocta-1,6-diene (123-35-3), Pin-2(3)-ene (80-56-8), linalol; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalol (78-70-6).

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available.

13. Disposal considerations

13.1 Waste treatment methods

Regional waste legislation	Dispose of waste in accordance with legal requirements.
Waste disposal methods	Dispose of contents/packaging in accordance with the sorting instructions of a recognised collection company.
Recommendations for waste water disposal	Dispose of waste in accordance with legal requirements.

Recommendations for disposal of products/packageging		Dispose of contents/packageging at a collection point for hazardous or special waste in accordance with local, regional, national and/or international regulations. Waste disposal in accordance with legal provisions.	
Additional information		Do not reuse empty packaging.	
HP code		HP4 - 'Irritant - skin irritation and eye damage' waste that may cause skin irritation or eye damage when applied. HP14 - 'Ecotoxic': waste whose use poses or may pose an immediate or long-term hazard to one or more sectors of the environment.	
14. Transport information			
Transport by road, by rail and inland waterway transport (ADR/RID/ADN)		14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	The product is not subject to ADR/RID/ADN regulations (not classified as dangerous goods).
Marine transport (IMDG)		14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	The product is not subject to IMDG regulations (no dangerous goods).
Air transport (ICAO-IATA)		14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	The product is not subject to ICAO-IATA regulations (no dangerous goods).
14.5	Environmental hazards		
Environmental hazard		Not applicable.	
Marine pollutant		Not applicable.	
14.6	Special precautions for user		
Not applicable.			
14.7	Maritime transport in bulk according to IMO instruments		
Not applicable.			
15. Regulatory information			
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture		
Relevant EU rule(s)		Restrictions on use (REACH, Annex XVII):	
		REACH list of restrictions (Annex XVII)	
		Reference code	Applicable to
		3(a)	(R)-p-mentha-1,8-diene; d-limonene ; 7-methyl-3-methyleneocta-1,6-diene ; Pin-2(3)-ene ; Pin-2(10)-ene ; 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene
		3(b)	Shield spray ; (R)-p-mentha-1,8-diene; d-limonene ; 7-methyl-3-methyleneocta-1,6-
		Entry or description	
			Substances or mixtures meet the criteria for one or more of the following hazard classes or categories in accordance with Annex I of Regulation 1272/2008: Hazard classes 2.1 to 2.8 and 2.9, 2.10, 2.12, categories 1 and 2, categories 1 and 2, and types A to F.
			Substances or mixtures meet the criteria for one or more of the following hazard classes or categories in accordance with Annex I of Regulation 1272/2008: Hazard classes 2.1 to 2.8 and 2.9, 2.10, 2.12, categories 1 and 2, categories 1 and 2, and types A to F.



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		diene ; Pin-2(3)-ene ; Pin-2(10)-ene ; 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene ; linalol; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalol	with Annex I of EC Regulation 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or development, 3.8 effects other than narcotic effects, 3.9 and 3.10.	
	3(c)	Shield spray ; (R)-p-mentha-1,8-diene; d-limonene ; 7-methyl-3-methyleneocta-1,6-diene ; Pin-2(3)-ene ; Pin-2(10)-ene ; 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	Substances classified as flammable gases of category 1 or 2, flammable liquids of category 1, 2 or 3, flammable solids of category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases of category 1, 2 or 3, pyrophoric liquids of category 1 or pyrophoric solids of category 1, regardless of whether they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008.	
	40	(R)-p-mentha-1,8-diene; d-limonene ; 7-methyl-3-methyleneocta-1,6-diene ; Pin-2(3)-ene ; Pin-2(10)-ene ; 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	Substances classified as flammable gases of category 1 or 2, flammable liquids of category 1, 2 or 3, flammable solids of category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases of category 1, 2 or 3, pyrophoric liquids of category 1 or pyrophoric solids of category 1, regardless of whether they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008.	
<i>REACH Annex XIV (list of substances subject to authorisation)</i> Does not contain any substance(s) listed in REACH Annex XIV (list of substances subject to authorisation). <i>REACH Candidate List (SVHC)</i> Does not contain any substance(s) listed in the REACH Candidate List. <i>PIC Regulation (Prior Informed Consent)</i> Does not contain any substances listed in the PIC List (Regulation (EU) No 649/2012 concerning the import and export of dangerous chemicals). <i>POP Regulation (persistent organic pollutants)</i> Does not contain any substances included in the POP list (EU Regulation 2019/1021 on organic pollutants). <i>Ozone Regulation (1005/2009)</i>				

	Does not contain any substances included in the list of ozone-depleting substances (EU Regulation 1005/2009 on substances that deplete the ozone layer). <i>Council Regulation (EC) on the control of dual-use items</i> Does not contain any substances covered by the COUNCIL REGULATION (EC) on the control of dual-use items. <i>Explosives precursors regulation (EU 2019/1148)</i> Does not contain any substances included in the list of explosives precursors (EU Regulation 2019/1148 on the marketing and use of explosives precursors). <i>Regulation on precursors for medicines (EC 273/2004)</i> Does not contain any substances included in the list of precursors for medicines (Regulation EC 273/2004 on the production and placing on the market of certain substances used in the illicit manufacture of narcotic drugs).						
National regulations – The Netherlands	<i>ABM category: A(3) - harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</i> <i>SZW list of carcinogenic substances: None of the ingredients are present.</i> <i>SZW list of mutagenic substances: None of the ingredients are present.</i> <i>SZW list of reprotoxic substances – Breastfeeding: None of the ingredients are present.</i> <i>SZW list of reprotoxic substances – Fertility: None of the ingredients are present.</i> <i>SZW list of reprotoxic substances – Development: None of the ingredients are present.</i>						
15.2	Chemical safety assessment						
No chemical safety assessments have been carried out for the substances in this mixture.							
16. Other information							
Indication of changes (revised safety data sheet)	In accordance with Regulation (EC) No 1907/2006 (REACH), as amended by 2020/878/EU. Restructuring and revision of 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://chem.echa.europa.eu/						
(EU)H-statement(s)	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long-lasting effects. H411 Toxic to aquatic life with long-lasting effects. H412 Harmful to aquatic life with long-lasting effects.						
Classification procedure	<table border="1"> <thead> <tr> <th>Classification</th><th>Classification procedure</th></tr> </thead> <tbody> <tr> <td>Skin Sens. 1: H317</td><td>Calculation method</td></tr> <tr> <td>Aquatic Chronic 3: H412</td><td>Calculation method</td></tr> </tbody> </table>	Classification	Classification procedure	Skin Sens. 1: H317	Calculation method	Aquatic Chronic 3: H412	Calculation method
Classification	Classification procedure						
Skin Sens. 1: H317	Calculation method						
Aquatic Chronic 3: H412	Calculation method						
List of abbreviations and acronyms	Acute Tox. 4 (Oral): Acute toxicity (oral), Category 4. 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 or inland waterways (ADR/RID/ADN).
 Aquatic Acute 1: Acute hazard for aquatic environment, Category 1.
 Aquatic Chronic 1: Chronic hazard for the aquatic environment, Category 1.
 Aquatic Chronic 2: Chronic hazard for the aquatic environment, Category 2.
 Aquatic Chronic 3: Chronic hazard for the aquatic environment, Category 3.
 Asp. Tox. 1: Aspiration hazard, Category 1.
 ATE: Acute Toxicity Estimation.
 BCF: Bioconcentration factor.
 BLV: Biological Limit Value.
 BOD: Biochemical Oxygen Demand.
 CAS-number: Chemical Abstract Service – Number.
 CLP: Regulation concerning classification, labelling and packaging; Regulation (EC) nr. 1272/2008 (Classification Labelling Packaging Regulation).
 DGR: Dangerous Goods Regulations.
 DNEL: Derived No Effect Level.
 DMEL: Derived Minimal Effect Level.
 EC50: Median effective concentration.
 EC-number: The EC inventory (EINECS, ELINCS and the NLP list) is the source for the seven-digit EC number, an identification code for substances that are commercially available in the EU (European Union).
 EINECS: European Inventory of Existing Commercial Substances.
 ELINCS: European List of notified Chemical Substances.
 EmS: (Emergency Schedule) The first code refers to the corresponding fire classification and the second code refers to the corresponding leak classification.
 EN: European standard.
 Eye Irrit. 2: Serious eye injury/eye irritation, Category 2.
 Flam. Liq. 3: Flammable liquid, Category 3.
 GHS: Globally Harmonized System.
 IATA: International Air Transport Association.
 IATA/DGR: Dangerous goods regulations for air transport.
 ICAO: International Civil Aviation Organization.
 ICAO-TI: Technical instructions for the safe transport of dangerous goods by air.
 IMDG: International Maritime Dangerous Goods.
 IMDG-Code: International Code for the Carriage of Dangerous Goods by Sea (International Maritime Dangerous Goods).
 LC50: Lethal Concentration to 50 % of a test population.
 LD50: Lethal Dose to 50% of a test population.
 LOAEL: Lowest Observed Adverse Effect Level.
 Log KOW: n-Octanol/water.
 NLP: No-longer-polymers.
 NOAEC: No Observed Adverse Effect Concentration.
 NOAEL: No Observed Adverse Effect Limit.
 NOEC: No Observed Effect Concentration.
 OECD: Organisation for Economic Cooperation and Development.
 OEL: Occupational Exposure Limit.

PBT: Persistent, bioaccumulative and toxic substance.
PNEC: Predicted No Effect Concentration(s).
REACH: Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
Skin Irrit. 2: Skin corrosion/skin irritation, Category 2.
Skin Sens. 1: Skin sensitisation, Category 1.
Skin Sens. 1B: Skin sensitisation, Category 1B.
STP: Sewage Treatment Plant.
SVHC: Substances of Very High Concern.
VOC: Volatile organic compound.
vPvB: Very persistent 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.

Hofman Animal Care B.V. denies all responsibility for loss or damage resulting from the use of these data.

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