



<h2 style="margin: 0;">MSDS</h2> <p style="margin: 0;">MATERIAL SAFETY DATA SHEET</p>	0.1 Product	<i>Vulnos Blue Spray</i>
	0.2 Status	Active
	0.3 Version	3
	0.4 Version date	21-04-2020
Identification of the company and supplier of the material safety data sheet		
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
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).	
Recall procedure	Yes	
1. Identification of the product		
1.1	<u>Product identification</u>	
Product name	<i>Vulnos Blue Spray</i>	
Trade name	<i>Vulnos Blue Spray / Vulnos Blauw Spray</i>	
Article code	VULN0200	
Identification of the product	Mixture	
Reach registration number	-	
1.2	<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Identified use(s)	Skin care product	
Use(s) advised against	Not identified.	

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>		0.1 Product		Vulnos Blue Spray		
		0.2 Status		Active		
		0.3 Version		3		
		0.4 Version date		21-04-2020		
2. Hazards identification						
2.1		Classification of the substance or mixture				
Classification according to Regulation (EC) no. 1272/2008: Hazard category: Aerosol 1; Aerosols – category 1; H222 Eye Irrit. 2; Serious eye damage / irritation – category 2; H319 STOT SE 3; Specific target organ toxicity, single exposure – category 3; H336						
2.2		Label elements				
Labelling according to Regulation (EC) no. 1272/2008:						
Hazardous component(s):		2-propanol; isopropylalcohol; isopropanol				
Hazard pictogram(s):		<div><div></div><div></div></div>				
Signal word:		Danger				
Hazard statements:		H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.				
Precautionary measures: <div><div>-</div>General</div> <div><div>-</div>Prevention</div> <div><div>-</div>Storage</div>		P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.				
2.3		Other hazards				
Other hazards		Use only in accordance with the intended purpose. Possible formation of explosive mixtures without adequate ventilation. Use only empty containers for recycling purposes.				
3. Composition/information on ingredients						
3.2		Mixtures				
Name component(s)	weight %	CAS no.	EINECS no.	Index no.	Reach no.	Classification
2-propanol; isopropylalcohol; isopropanol	55 ≤ 60	67-63-0	200-661-7	603-117-00-0	01-2119457558-25	Flam. Liq. 1; H225 Eye Irrit. 2; H319 STOT SE 3; H336

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>					0.1 Product		Vulnos Blue Spray
					0.2 Status		Active
					0.3 Version		3
					0.4 Version date		21-04-2020
Butane	25 ≤ 30	106-97-8	203-448-7	601-004-00-0	01-2119474691-32	Flam. Gas 1; H220	
Propane	12,5 ≤ 15	74-98-6	200-827-9	601-003-00-5	01-2119486944-21	Flam. Gas 1; H220	
2,2',2''-nitriлотriethanol	0,1 ≤ 0,5	102-71-6	203-049-8		01-2119486482-31		
Alkyl (C12-C14) dimethyl benzyl ammonium chloride (ADBAC (C12-C14))	< 0,1	85409-22-9	287-089-1		01-2120754638-42	Acute Tox. 4; H302 Skin Corr. 1A; H314 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.							
4. First aid measures							
4.1 <u>Description of first aid measures</u>							
General		In all cases of doubt, or in case of symptoms, consult a doctor.					
First aid measures in case of inhalation		Provide fresh air. In case of accident or feeling unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).					
First aid measures in case of skin contact		After contact with skin, wash immediately with soap and water. Remove contaminated clothing and wash before reuse.					
First aid measures in case of eye contact		In case of contact with the eyes, immediately flush the eyes with water opening the eyelids and then consult an ophthalmologist immediately.					
First aid measures in case of ingestion		In case of vomiting, pay attention to the danger of suffocation. Rinse mouth immediately and drink 1 glass of water.					
4.2 <u>Most important symptoms and effects, both acute and delayed</u>							
Headaches, dizziness, lightheadedness.							
4.3 <u>Indication of any immediate medical attention and special treatment needed</u>							
Treat symptomatically.							
5. Firefighting measures							
5.1 <u>Extinguishing media</u>							
Suitable extinguishing media		Water mist, carbon dioxide (CO ₂), foam, extinguishing powder.					
Unsuitable extinguishing media		Full water jet.					
5.2 <u>Special hazards arising from the substance or mixture</u>							
Special exposure hazards		Flammable. Vapours can form explosive mixtures with air.					

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>		0.1 Product	Vulnos Blue Spray
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	21-04-2020
5.3	<u>Advice for firefighters</u>		
Special protective equipment		In case of fire: use a self-contained breathing apparatus.	
Special procedures		Use a water jet to protect persons and cool containers in the danger area. Precipitate gases / vapours / mist with a water jet. Collect contaminated fire extinguishing water separately. Do not allow product to enter drains or watercourses.	
6. Accidental release measures			
6.1	<u>Personal precautions, protective equipment and emergency procedures</u>		
Personal precautions		Remove all ignition sources. Ensure adequate ventilation. Do not inhale aerosol. Avoid contact with skin, eyes and clothing. Use personal protective equipment.	
6.2	<u>Environmental precautions</u>		
Environmental precautions		Do not allow product to enter the environment uncontrolled. Danger of explosion.	
6.3	<u>Methods and material for containment and cleaning up</u>		
Methods for cleaning up		Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). Treat absorbed material in accordance with the section Disposal (section 13).	
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		Do not pierce or burn, even after use. When in free use, use appliances with local exhaust ventilation. Do not breathe aerosol.	
Protection against fire and explosion		Do not spray against flames or glowing objects. Protect from sunlight. Do not expose to temperatures above 50°C / 122°F. Keep away from sources of ignition. Do not smoke. Take measures against electrostatic charges. Vapours may form explosive mixtures with air.	
Other information		Heating leads to an increase in pressure and the risk of bursting.	
7.2	<u>Conditions for safe storage, including any incompatibilities</u>		
Storage		Keep the container tightly closed. Store the container in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.	
Information on common storage		Do not store together with: oxidizing agents, pyrophoric or self-heating substances.	

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>				0.1 Product		Vulnos Blue Spray	
				0.2 Status		Active	
				0.3 Version		3	
				0.4 Version date		21-04-2020	
Further information on storage conditions				Aerosol Directive (75/324/EEC) Further information on storage conditions: Storage class according to TRGS 510: 2B (aerosols and lighters)			
7.3	Specific end use(s)						
For identified use(s), see section 1.2.							
8. Exposure controls/personal protection							
8.1	Control parameters						
Occupational exposure limits		CAS no.	Substance		ppm	mg/m3	Peak limit (TRGS 900; DE)
		102-71-6	2,2',2"-nitrilotriethanol			1E	1(I)
		106-97-8	Butane		1,000	2,400	4(II)
		67-63-0	2-propanol		200	500	2(II)
		74-98-6	Propane		1,000	1,800	4(II)
Biological limit values		CAS no.	Substance	Parameter	Limit value	Material examined	Sampling time point (TRGS 903; DE)
		67-63-0	2-propanol	Aceton	25 mg/l	Blood	End of the exposure
DNELs		<div>2-propanol (CAS no. 67-63-0): Employee (systemic effects, long-term, dermal): 888 mg/kg BW/d Employee (systemic effects, long-term, inhalation): 500 mg/m³ Consumer (systemic effects, long-term, dermal): 319 mg/kg BW/d Consumer (systemic effects, long-term, inhalation): 89 mg/m³ Consumer (systemic effects, long-term, oral): 26 mg/kg BW/d</div> <div>2,2',2"-nitrilotriethanol (CAS no. 102-71-6): Employee (local effects, long-term, inhalation): 1 mg/m³ Consumer (local effects, long-term, inhalation): 0.4 mg/m³ Employee (systemic effects, long-term, dermal): 7.5 mg/kg BW/d Employee (systemic effects, long-term, inhalation): 5 mg/m³ Consumer (systemic effects, long-term, dermal): 2.66 mg/kg BW/d Consumer (systemic effects, long-term, inhalation): 1.25 mg/m³ Consumer (systemic effects, long-term, oral): 3.3 mg/kg BW/d</div> <div>Alkyl (C12-C14) dimethyl benzyl ammonium chloride (CAS no. 85409-22-9): Employee (systemic effects, long-term, dermal): 5.7 mg/kg BW/d Employee (systemic effects, long-term, inhalation): 3.96 mg/m³ Consumer (systemic effects, long-term, dermal): 3.4 mg/kg BW/d Consumer (systemic effects, long term, inhalation): 1.64 mg/m³ Consumer (systemic effects, long-term, oral): 3.4 mg/kg BW/d</div>					
PNECs		<div>2-propanol (CAS no. 67-63-0): Freshwater: 140.9 mg/l Freshwater (intermittent release): 140.9 mg/l</div>					

MSDS

Material Safety Data Sheet

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>		0.1 Product	Vulnos Blue Spray
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	21-04-2020
		<div>Seawater: 140.9 mg/l</div> <div>Freshwater sediment: 552 mg/kg</div> <div>Seawater sediment: 552 mg/kg</div> <div>Secondary poisoning: 160 mg/kg</div> <div>Microorganisms in sewage treatment plants: 2,251 mg/l</div> <div>Soil: 28 mg/kg</div> <div>2,2',2''-nitrilotriethanol (CAS no. 102-71-6):</div> <div>Freshwater: 0.32 mg/l</div> <div>Freshwater (intermittent release): 5.12 mg/l</div> <div>Seawater: 0.032 mg/l</div> <div>Freshwater sediment: 1.7 mg/kg</div> <div>Seawater sediment: 0.17 mg/kg</div> <div>Microorganisms in sewage treatment plants: 10 mg/l</div> <div>Soil: 0.151 mg/kg</div> <div>Alkyl (C12-C14) dimethyl benzyl ammonium chloride (CAS no. 85409-22-9):</div> <div>Freshwater: 0.001 mg/l</div> <div>Freshwater (intermittent release): 0 mg/l</div> <div>Seawater: 0.001 mg/l</div> <div>Freshwater sediment: 12.27 mg/kg</div> <div>Seawater sediment: 13.09 mg/kg</div> <div>Microorganisms in sewage treatment plants: 0.4 mg/l</div> <div>Soil: 7 mg/kg</div>	
8.2	Exposure controls		
Engineering measures		Use only outdoors or in well-ventilated areas. Do not breathe aerosol.	
Personal protection equipment			
Respiratory protection		Wear respiratory protection if ventilation is inadequate. Suitable respiratory equipment: combination filter device (EN 14387) A-P2.	
Skin protection		Remove dirty, soaked clothing immediately. Make a skin protection plan and observe this! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat or drink while working. Wear antistatic shoes and work clothing.	
Hand protection		When handling chemicals, only wear chemical protective gloves with CE marking including a four-digit test number. Protective gloves should be selected specifically for the workplace depending on the concentration and quantity of hazardous substances. Suitable material: butyl rubber (EN 374) Thickness of the glove material: 0.5 mm Penetration time (maximum wear time): 480 min. It is recommended to verify the chemical resistance of the protective gloves mentioned above with the glove manufacturer in case of special use.	
Eye / face protection		Close-fitting safety goggles (EN 166).	

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>		0.1 Product	Vulnos Blue Spray
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	21-04-2020
9. Physical and chemical properties			
9.1	Information on basic physical and chemical properties		
Physical state		Liquid	
Colour		Blue	
Odour		Alcohol	
pH value		Not available.	
Melting / freezing point		Not available.	
Boiling point / range (1013 hPa)		< -20°C	
Flash point		< -20°C	
Explosion limits in air		Lower explosion limit: 2 vol.% Upper explosion limit: 15 vol.%	
Ignition temperature		365°C	
Auto-ignition temperature		Solid: not applicable. Gas: not applicable.	
Decomposition temperature		Not available.	
Vapour pressure		Not available.	
Density (20°C)		0,675 g/cm ³	
Solubility in water		Partly miscible.	
Log P octanol/water (20°C)		Not available.	
Viscosity		Not available.	
Evaporation rate		Not available.	
Explosive properties		Heating may cause an explosion.	
10. Stability and reactivity			
10.1	Reactivity		
Reactivity		Flammable. No further relevant information available.	
10.2	Chemical stability		
Stability		The product is stable when stored at normal ambient temperatures.	
10.3	Possibility of hazardous reactions		
Hazardous reactions		Heating leads to an increase in pressure and danger of bursting.	

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>		0.1 Product	Vulnos Blue Spray
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	21-04-2020
10.4	<u>Conditions to avoid</u>		
Conditions to avoid		Keep away from heat sources (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.	
10.5	<u>Incompatible materials</u>		
Materials to avoid		No further relevant information available.	
10.6	<u>Hazardous decomposition products</u>		
Hazardous decomposition products		In case of fire, the following can occur: carbon dioxide (CO2), soot, pyrolysis products, toxic products.	
11. Toxicological information			
11.1	<u>Information on toxicological effects</u>		
Acute toxicity		Based on the available data for the mixture / preparation, the classification criteria are not met. 2-propanol (CAS no. 67-63-0): LD ₅₀ (rat, oral): 4,570 mg/kg LD ₅₀ (rabbit, dermal): 13,400 mg/kg LC ₅₀ (rat, inhalation, 4u): 30 mg/l 2,2',2''-nitrilotriethanol (CAS no. 102-71-6): LD ₅₀ (rat, oral): 6,400 mg/kg (OECD guideline 401) LD ₅₀ (rabbit, dermal): >2,000 mg/kg (OECD guideline 402) Alkyl (C12-C14) dimethyl benzyl ammonium chloride (CAS no. 85409-22-9): LD ₅₀ (rat, oral): 795 mg/kg (OECD guideline 401) LD ₅₀ (rabbit, dermal): 3,412.5 mg/kg (EPA OPTTS 870.1200)	
Skin corrosion / irritation		Based on the available data the classification criteria are not met.	
Serious eye damage / irritation		Causes serious eye irritation.	
Aspiration hazard		Based on the available data the classification criteria are not met.	
Respiratory or skin sensitisation		Based on the available data the classification criteria are not met.	
Carcinogenicity		Based on the available data the classification criteria are not met.	
Mutagenicity		Based on the available data the classification criteria are not met.	
Reproductive toxicity		Based on the available data the classification criteria are not met.	
Specific target organ toxicity – single exposure		May cause drowsiness and dizziness (2-propanol; isopropyl alcohol; isopropanol).	
Specific target organ toxicity – repeated exposure		Based on the available data the classification criteria are not met.	

MSDS MATERIAL SAFETY DATA SHEET		0.1 Product	Vulnos Blue Spray
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	21-04-2020
12. Ecological information			
12.1	<u>Toxicity</u>		
Ecotoxicity	<p>There is no information available for the mixture / preparation.</p> <p><i>2-propanol (CAS no. 67-63-0):</i> LC₅₀ (fishes (<i>Pimephales promelas</i>), 96h): 10,000 mg/l ErC₅₀ (algae (<i>Scenedesmus subspicatus</i>), 72h): > 100 mg/l EC₅₀ (crustaceans (<i>Daphnia magna</i>), 48h): 13,299 mg/l Bacteria (3h): > 100 mg/l</p> <p><i>Butane (CAS no. 106-97-8):</i> LC₅₀ (fishes, 96h): 49.9 mg/l ErC₅₀ (algae, 96h): 19.37 mg/l EC₅₀ (crustaceans (<i>Daphnia</i> sp., 48h): 69.43 mg/l</p> <p><i>Propane (CAS no. 74-98-6):</i> LC₅₀ (fishes, 96h): 49.9 mg/l ErC₅₀ (algae, 96h): 19.37 mg/l EC₅₀ (crustaceans (<i>Daphnia</i> sp., 48h): 69.43 mg/l</p> <p><i>2,2',2''-nitrilotriethanol (CAS no. 102-71-6):</i> LC₅₀ (fishes (<i>Pimephales promelas</i>), 96h): 11,800 mg/l ErC₅₀ (algae (<i>Desmodesmus subspicatus</i>), 72h): 512 mg/l EC₅₀ (crustaceans (<i>Ceriodaphnia dubia</i>), 48h): 609.88 mg/l NOEC (crustaceans (<i>Daphnia magna</i>), 21 d): 16 mg/l</p> <p><i>Alkyl (C12-C14) dimethyl benzyl ammonium chloride (CAS no. 85409-22-9):</i> LC₅₀ (fishes (<i>Brachydanio rerio</i>), 96h): 0.93 mg/l ErC₅₀ (algae (<i>Pseudokirchneriella subcapitata</i>), 96h): 0.01 mg/l EC₅₀ (crustaceans (<i>Daphnia magna</i>), 48h): 0.016 mg/l NOEC (fishes, 28 d): 0.0322 mg/l NOEC (crustaceans, 21 d): 0.00415 mg/l Bacteria (3h): 7.75 mg/l</p>		
12.2	<u>Persistence and degradability</u>		
Persistence and degradability	<p>There is no information available for the mixture / preparation.</p> <p><i>2-propanol (CAS no. 67-63-0):</i> Biodegradability (21 d): 95% (readily biodegradable)</p> <p><i>2,2',2''-nitrilotriethanol (CAS no. 102-71-6):</i> Biodegradability (5 d): 100% (readily biodegradable)</p>		
12.3	<u>Bioaccumulation</u>		
Bioaccumulation	<p>There is no information available for the mixture / preparation.</p> <p><i>2-propanol (CAS no. 67-63-0):</i> Log P_{ow}: 0.05</p>		





MSDS

Material Safety Data Sheet

MSDS MATERIAL SAFETY DATA SHEET		0.1 Product	Vulnos Blue Spray
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	21-04-2020
		<div>Butane (CAS no. 106-97-8): Log P_{ow}: 1.09</div> <div>Propane (CAS no. 74-98-6): Log P_{ow}: 1.09</div> <div>2,2',2''-nitrilotriethanol (CAS no. 102-71-6): Log P_{ow}: -2.3 BCF (Cyprinus carpio): <0.4</div> <div>Alkyl (C12-C14) dimethyl benzyl ammonium chloride (CAS no. 85409-22-9): Log P_{ow}: -0,21 BCF (Lepomis macrochirus): 79</div>	
12.4	Mobility in soil		
Mobility		There is no information available for the mixture / preparation.	
12.5	Results of PBT and zPzB assesment		
Evaluation		There is no information available for the mixture / preparation.	
12.6	Other adverse effects		
Other adverse effects		There is no information available for the mixture / preparation. Further recommendations: avoid release into the environment.	
13. Disposal considerations			
13.1	Waste treatment methods		
Waste from residues / unused products		Do not let the product end up in sewers or watercourses. Dispose of in accordance with applicable local and national regulations.	
European list of waste products		16 05 04 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances.	
Removal of contaminated packaging		The packaging used is intended exclusively for the packaging of this product. After use, empty and seal the packaging well. Dispose of fully emptied packaging in accordance with applicable local and national regulations.	
14. Transport information			
Transport per road or per rail (ADR/RID)		14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	UN 1950 Aerosols 2 Not assigned to a packing group. Danger label: 2.1

MSDS

Material Safety Data Sheet

MSDS MATERIAL SAFETY DATA SHEET	0.1 Product	Vulnos Blue Spray
	0.2 Status	Active
	0.3 Version	3
	0.4 Version date	21-04-2020
		 <p> Classification code: 5F Special provisions: 190 327 344 625 Limited quantities (LQ): 1 L Excepted quantities: E0 Transport category: 2 Tunnel restriction code: D </p>
Transport per inland waterways (ADN)	14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	UN 1950 Aerosols 2 Not assigned to a packing group. Danger label: 2.1  <p> Classification code: 5F Special provisions: 190 327 344 625 Limited quantities (LQ): 1 L Excepted quantities: E0 </p>
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 1950 Aerosols 2 Not assigned to a packing group. Danger label: 2.1  <p> Classification code: 5F Special provisions: 63 190 277 327 344 381 959 Limited quantities (LQ): 1 L Excepted quantities: E0 EmS: F-D, S-U </p>
Transport by air (IATA)	14.1 UN-number: 14.2 UN proper shipping name: 14.3 Transport hazard class(es): 14.4 Packing group:	UN 1950 Aerosols, flammable 2 Not assigned to a packing group. Danger label: 2.1  <p> Special provisions: A145 A167 A802 </p>

MSDS

Material Safety Data Sheet

<div>MSDS</div> <div>MATERIAL SAFETY DATA SHEET</div>		0.1 Product	Vulnos Blue Spray
		0.2 Status	Active
		0.3 Version	3
		0.4 Version date	21-04-2020
		Limited quantities (LQ) passenger: 30 kg Passenger LQ: Y203 Excepted quantities: E0 IATA packing instruction – passenger: 203 IATA maximum quantity – passenger: 75 kg IATA packing instruction – cargo: 203 IATA maximum quantity – cargo: 150 kg	
<div>14.5</div> <div>Environmental hazards</div>			
Environmentally hazard		No.	
Marine pollutant		No.	
<div>14.6</div> <div>Special precautions for user</div>			
Special precautions		Caution: flammable gases. No special precautions are required.	
<div>14.7</div> <div>Transport in bulk according to Annex II of MARPOL and the IBC code</div>			
No further relevant information available.			
<div>15.</div> <div>Regulatory information</div>			
<div>15.1</div> <div>Safety, health and environmental regulations/legislation specific for the substance or mixture</div>			
Relevant EU rule(s)		Information on IE Guideline 2010/75/EU: 99.82 % (673.785 g/l) VOC Information on the VOC Guideline 2004/42/EC: 99.879 % (674.182 g/l) Information on the SEVESO III Guideline 2012/18/EU: P3a Flammable Aerosols	
National regulations		Germany: Employment restrictions: observe the employment restrictions for young people (§ 22 ArbSchG). Water hazard class: 1 – slightly dangerous to water. Status: Classification of mixture according to Annex 1, no. 5 AwSV.	
<div>15.2</div> <div>Chemical Safety Assessment</div>			
No chemical safety assessments have been carried out for substances in this mixture.			
<div>16.</div> <div>Other information</div>			
Sources of used key data		This information is based on the currently available information (Producer(s)) See also the website: http://apps.echa.europa.eu/registered/registered-sub.aspx#search	
(EU)H-statement(s)		H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurized container: may burst if heated. H302 Harmful if swallowed. H314 Causes serious skin burns and eye damage.	

MSDS

Material Safety Data Sheet

MSDS MATERIAL SAFETY DATA SHEET	0.1 Product	<i>Vulnos Blue Spray</i>
	0.2 Status	Active
	0.3 Version	3
	0.4 Version date	21-04-2020
	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.	
List of abbreviations and acronyms	Acute Tox.: acute toxicity. ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Europees convention concerning the international carriage of dangerous goods by road). ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieure (European convention concerning the international carriage of dangerous goods by inland waterway). Aquatic Acute: acute toxic for the aquatic environment. ATE: Acute toxicity estimate. BCF: Bio-Concentration Factor. CAS: Chemical Abstracts Service. CLP: Classification, Labelling and Packaging (Regulation (EC) no. 1272/2008). DNEL: Derived No Effect Level. EC50: median Effective Concentration. EmS: Emergency Schedule. ErC50: median Effective Concentration, growth rate. Eye Dam.: serious eye damage. Eye Irrit.: irritating for the eyes. Flam. Gas: flammable gas. 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). IMDG: International Maritime Dangerous Goods code. Index-no.: The identification code set out in Part 3 of Annex VI of Regulation (EC) no. 1272/2008. LC50: median Lethal Concentration. LD50: median Lethal Dose. MARPOL: international convention for the prevention of pollution from ships (marine pollutant). NOEC: No Observed Effect Concentration. NVIC: Nationaal Vergiftigingen Informatie Centrum (National Poison Information Centre). OECD: Organisation for Economic Cooperation and Development (social and economic policy partnership). PBT: persistent, bioaccumulative and toxic. PNEC: Predicted No Effect Concentration (concentration below which exposure to a substance will produce no effect). REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. RID: Regulations concerning the International carriage of Dangerous goods by rail. Skin. Corr.: corrosive to the skin. STOT SE: specific target organ toxicity at single exposure. TRGS 510: German directive for the storage of dangerous substances in non-permanent containers. TRGS 900: Duitse occupational exposure directive. TRGS 903: Duitse guideline for biological limit values. VOC: volatile organic component. 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

MSDS

Material Safety Data Sheet

MSDS MATERIAL SAFETY DATA SHEET	0.1 Product	<i>Vulnos Blue Spray</i>
	0.2 Status	Active
	0.3 Version	3
	0.4 Version date	21-04-2020

loss or damage resulting from the use of these data.

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