

MSDS MATERIAL SAFETY DATA SHEET		0.1 Product		Knock Pest Bloedluis Spray
		0.2 Status		Active
		0.3 Version		2
		0.4 Version date		08-04-2024
1. Identification of the substance/mixture and of the company				
1.1	Product identification			
Product name		Knock Pest Bloedluis Spray		
Trade name		Knock Pest Bloedluis Spray / Knock Pest Red Mite Spray / Knock Pest Rotes Vogelmilbenspray / Knock Pest Pest Acarien De l'Oiseau Spray		
Product code		KNOC5014		
Chemical description		Mixture		
UFI		-		
REACH registration number		-		
1.2	Relevant identified uses of the substance or mixture and uses advised against			
Identified use(s)		Professional additive for addition to insecticides, improving effectiveness.		
Use(s) advised against		Not identified.		
1.3	Details of the supplier of the safety data sheet			
Company identification		Name	Hofman Pest Control	
Contact details		Address	De Leemkoele 2	
		Zip code	7468 DM	
		Town	Enter	
		Country	The Netherlands	
		Telephone	+31 (0)548-545277	
		E-mail	info@hofmanpestcontrol.nl	
		Website	www.hofmanpestcontrol.nl	
1.4	Emergency telephone number			
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 case of acute intoxications)		
2. Hazards identification				
2.1	Classification of the substance or mixture			
Classification according to Regulation (EC) no. 1272/2008: Acute Tox. 4; Acute toxicity, category 4; H332 Eye Irrit. 2; Serious eye damage/eye irritation, category 2; H319 Aquatic Chronic; Hazardous to the aquatic environment (chronic); H411				
The full text of the (EU)H-statements can be found in section 16.				
Adverse physicochemical, health and environmental effects				
Harmful if inhaled. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.				

2.2	Label elements						
Labelling according to Regulation (EC) no. 1272/2008:							
Hazardous component(s)			3-(Polyoxyethylene)propylheptamethyltrisiloxane				
Hazard pictogram(s)							
Signal word			Warning				
Hazard statements			H319 Causes serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.				
Precautionary measures			P261 Avoid breathing mist/vapours/spray. P280 Wear protective gloves/eye protection. P312 Call a POISON CENTRE/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/ attention. P391 Collect spillage. P501 Dispose of contents/container to hazardous or special waste collection point in accordance with local, regional, national and/or international regulations.				
- Prevention							
- Response							
- Disposal							
2.3	Other hazards						
Results of PBT and vPvB assessment			Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.				
Endocrine disrupting properties			The mixture does not contain substances included in the list established according to Article 59(1) of REACH for having endocrine-disrupting properties, or one or more substances identified as having endocrine-disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, with a concentration greater than or equal to 0.1%.				
3. Composition / information on ingredients							
3.1	Substances		Not applicable (mixture).				
3.2	Mixtures		Contains:				
Name component(s)		Weight %	CAS no.	EINECS no.	Index no.	REACH no.	Classification
3-(Polyoxyethylene)-Propylheptamethyltrisiloxane		90 - 100	67674-67-3	-	-	-	Acute Tox. 4; H332 Eye Irrit. 2; H319 Aquatic Chronic 2; H411
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		
3-(Polyoxyethylene)-Propylheptamethyltrisiloxane		67674-67-3			ATE = 2 mg/l/4u		
4. First aid measures							
4.1	Description of first aid measures						
General			Never administer anything by mouth to an unconscious person. When obtaining medical advice, keep the container or label at hand. If you feel unwell, call a POISON CENTRE or doctor.				

First aid measures in case of inhalation	Move the person to fresh air and ensure they can breathe easily. If unwell, consult a poison centre or doctor.
First aid measures in case of skin contact	Wash skin with plenty of water. Remove contaminated clothing. In case of skin irritation or rash: 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. In case of persistent eye irritation: consult a doctor.
First aid measures in case of ingestion	Rinse mouth with water. Do not induce vomiting without medical advice. Loosen tight-fitting clothing, such as a shirt collar, tie or belt. Consult a POISON CENTRE or doctor.
4.2	<u>Most important symptoms and effects, both acute and delayed</u>
Symptoms/effects after eye contact: Irritation of the eyes.	
4.3	<u>Indication of any immediate medical attention and special treatment needed</u>
Symptomatic treatment.	
5. Firefighting measures	
5.1	<u>Extinguishing media</u>
Suitable extinguishing media	Sprayed water. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	Do not use a strong water jet.
5.2	<u>Special hazards arising from the substance or mixture</u>
Fire hazard	Forms no specific fire or explosion hazard.
Explosion hazard	No direct explosion hazard.
Hazardous decomposition products in case of fire	Possible formation of toxic vapours.
5.3	<u>Advice for firefighters</u>
Special protective equipment	Do not intervene without suitable safety equipment. Self-contained breathing apparatus. Fully protective clothing.
Special procedures	Fight fire from a safe distance and sheltered location. Do not enter fire zone without suitable safety equipment, including respiratory protection.
6. Accidental release measures	
6.1	<u>Personal precautions, protective equipment and emergency procedures</u>
General measures	Seal the leak if it can be done safely. Absorb leaked/spilled substance to avoid material damage.
Personal precautions	<i>For non-emergency personnel:</i> Wear recommended personal safety equipment. Ventilate contaminated area. Avoid inhalation of vapour, mist, spray mist. Avoid contact with skin and eyes. <i>For emergency responders:</i> Do not intervene without suitable safety equipment. For further information see section 8: "Measures to control exposure/personal protection". Remove excessive personnel. Seal the leak if it can be done safely.
6.2	<u>Environmental precautions</u>
Environmental precautions	Avoid release into the environment.
6.3	<u>Methods and material for containment and cleaning up</u>
For containment	Clean up leaks/spills. If possible, seal the leak without taking any risk.
Methods for cleaning up	Absorb spill with absorbent.
Further information	Take waste or solid residues to an authorised waste disposal company.
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 Precautions for safe handling

Additional hazards during processing	Not considered to pose a serious risk under normal conditions of use.
Handling	Use only outdoors or in a well-ventilated area. Avoid inhalation of vapour, mist, spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygienic measures	Do not eat, drink or smoke while handling this product. Always wash hands after handling this product.

7.2 Conditions for safe storage, including any incompatibilities

Storage	Store only in the original container in a cool, well-ventilated place. Keep containers closed when not in use. Avoid contact with water (or moist air) of this product.
Incompatible materials	Keep away from foodstuffs and beverages.
Storage temperature	0 - 35 °C.
Protection against fire and explosion	Keep away from heat sources and direct sunlight.
Suitable packaging material	Always store the product in packaging of the same material as the original packaging.
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	No additional information available.
Biological limit values	No additional information available.
Recommended monitoring procedures	No additional information available.
Formed air pollutants	No additional information available.
DNELs	No additional information available.
PNECs	No additional information available.
Control banding	No additional information available.

8.2 Exposure controls

Appropriate engineering controls	Ensure good ventilation of the workplace.
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Personal protection equipment

Personal protective equipment	(In case of inadequate ventilation) wear respiratory protection. Safety glasses. Gloves.
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Personal protective equipment symbol(s)



Eye / face protection

Eye protection:
Safety glasses. DIN EN 166.

Skin/body protection

Skin and body protection:
Wear suitable protective clothing. EN 340.

Hand protection	Wear suitable gloves resistant to chemical penetration. Chemically resistant gloves (according to European standard NF ISO 374-1 or equivalent). Type: Gloves Material: Nitrile rubber (NBR), butyl rubber, neoprene rubber (HNBR), polyvinyl chloride (PVC). Permeation: 6 (> 480 minutes). Thickness (mm): 0.4 - 0.7. Penetration: - Standard: EN ISO 374.
Respiratory protection	(In case of inadequate ventilation) wear respiratory protection. EN 143. Device: Disposable half mask, reusable half mask. Filter type: Type A - Organic compounds with high boiling point (> 65°C). Condition: Protection against vapours, protection against liquid particles. Standard: EN 143.
Thermal hazards	There is no information available.
Environmental exposure controls	Environmental exposure control: Prevent discharge into the environment. Other information: Do not eat, drink or smoke while using this product.

9. Physical and chemical properties

9.1	Information on basic physical and chemical properties
Physical state	Liquid.
Colour	Colourless.
Appearance	Clear.
Odour	Characteristic, faint.
Odour threshold	Not available.
Melting point/freezing point	Not available.
Boiling point/range (1013 hPa)	Not available.
Flammability	Not available.
Lower and upper explosion limit	Not available.
Flash point	> 100.
Auto-ignition temperature	118 °C (ASTM D93).
Decomposition temperature	Not available.
pH	6,5 - 7,5.
Kinematic viscosity	20 - 50 mm ² /s (@25 °C).
Solubility	Water: Soluble, emulsifies at 0.1-1.0 %.
Partition coefficient n-octanol/water	Not available.
Vapour pressure	< 1.33 hPa (1.00 mm Hg) @20 °C.
Vapour pressure at 50 °C	Not available.
Density and/or relative density	Density: 1.01 g/cm ³ .
Relative vapour density	Relative density: 1.01 (@25 °C).
Particle characteristics	Not available.
9.2	Other information
Other information	No further relevant information available.

10. Stability and reactivity

10.1 Reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
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10.2 Chemical stability

Stability	Stable under normal conditions.
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10.3 Possibility of hazardous reactions

Hazardous reactions	No hazardous reactions known under normal conditions of use.
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10.4 Conditions to avoid

Conditions to avoid	None under recommended storage and handling conditions (see section 7).
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10.5 Incompatible materials

Materials to avoid	There is no information available.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Under normal storage and use conditions, no hazardous decomposition products will be generated.
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11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) no. 1272/2008

Acute toxicity: oral	Not classified (Based on available data, the classification criteria are not met).
Acute toxicity: dermal	Not classified (Based on available data, the classification criteria are not met).
Acute toxicity: inhalation	Harmful if inhaled.

Knock Pest Bloedluis Spray

ATE gases = 4,500 ppmv/4h

ATE fumes = 11 mg/l/4h

ATE dust/mist = 1.5 mg/l/4h

Cas no.	Name of substance	Route of exposure	Dosis	Species
67674-67-3	3-(Polyoxyethylene)-propylheptamethyltrisiloxane	Oral	LD50 > 2,000 mg/kg	Rat
		Dermal	LD50 > 4,000 mg/kg	Rat
		Inhalation	LC50 = 2 mg/l/4u (Aerosol)	Rat

Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met). pH: 6,5 – 7,5.
Serious eye damage/irritation	Causes serious eye irritation. pH: 6,5 – 7,5.
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met).
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met).
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met).
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met).
Specific target organ toxicity – single exposure	Not classified (Based on available data, the classification criteria are not met).

Specific target organ toxicity – repeated exposure		Not classified (Based on available data, the classification criteria are not met).																												
Aspiration hazard		Not classified (Based on available data, the classification criteria are not met).																												
Knock Pest Bloedluis Spray Viscosity, kinematic: 20 - 50 mm²/s (@25 °C).																														
11.2	Information on other hazards																													
Other hazards		No further relevant information available.																												
12. Ecological information																														
12.1	Toxicity																													
Hazardous to the aquatic environment (acute) short term		Not classified (Based on available data, the classification criteria are not met).																												
Hazardous to the aquatic environment (chronic) long term		Toxic to aquatic life with long lasting effects.																												
<table><tr><th>Cas no</th><th>Name of substance</th><th>Aquatic toxicity</th><th>Dosis</th><th>h/d</th><th>Species</th></tr><tr><td>67674-67-3</td><td>3-(Polyoxyethylene)-propylheptamethyltrisiloxane</td><td>Fish</td><td>LC50 = 6.8 mg/l</td><td>-</td><td>-</td></tr><tr><td></td><td></td><td>Crustaceans</td><td>EC50 = 24 mg/l</td><td>-</td><td>Daphnia magna (water flea)</td></tr><tr><td></td><td></td><td>Algae</td><td>EC50 = 32 mg/l</td><td>96 u</td><td>Pseudokirchneriella subcapitata</td></tr></table>							Cas no	Name of substance	Aquatic toxicity	Dosis	h/d	Species	67674-67-3	3-(Polyoxyethylene)-propylheptamethyltrisiloxane	Fish	LC50 = 6.8 mg/l	-	-			Crustaceans	EC50 = 24 mg/l	-	Daphnia magna (water flea)			Algae	EC50 = 32 mg/l	96 u	Pseudokirchneriella subcapitata
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		Algae	EC50 = 32 mg/l	96 u	Pseudokirchneriella subcapitata																									
12.2	Persistence and degradability																													
Persistence and degradability		No data available on biodegradability in water.																												
12.3	Bioaccumulative potential																													
Bioaccumulation		There is no information available.																												
12.4	Mobility in soil																													
Mobility		There is no information available.																												
12.5	Results of PBT and vPvB assessment																													
Assessment		Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.																												
12.6	Endocrine disrupting properties																													
Endocrine disrupting potential		The mixture does not contain substances included in the list established according to Article 59(1) of REACH for having endocrine-disrupting properties, or one or more substances identified as having endocrine-disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, with a concentration greater than or equal to 0.1%.																												
12.7	Other adverse effects																													
Other adverse effects		There is no information available.																												
13. Disposal considerations																														
13.1	Waste treatment methods																													
Waste treatment methods		Dispose of contents/packaging in accordance with the sorting instructions of an authorised waste collection company.																												
Recommendations for wastewater disposal		Dispose of in accordance with the legal requirements.																												
Product disposal		Dispose of in accordance with the legal requirements.																												

European list of waste products	16 03 05* - organic wastes containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances	
Disposal of packaging	Empty packaging should be recycled, reused or disposed of in accordance with local legislation.	
HP code	HP6 - "Acute toxicity" wastes that may cause acute toxic effects following oral or dermal administration or following inhalation exposure. HP4 - "Irritant - skin irritation and eye damage" wastes that may cause skin irritation or eye damage upon application. HP14 - "Ecotoxic": wastes whose use causes or may cause immediate or delayed hazard to one or more sectors of the environment.	
14. Transport information		
Transport by road, by rail and inland waterway transport (ADR/RID/ADN)	<u>14.1 UN-number:</u> <u>14.2 UN proper shipping name:</u> <u>14.3 Transport hazard class(es):</u> <u>14.4 Packing group:</u>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS: 3-(Polyoxyethylene)-propylheptamethyltrisiloxane) 9 III Danger label: 9 
Marine transport (IMDG)	<u>14.1 UN-number:</u> <u>14.2 UN proper shipping name:</u> <u>14.3 Transport hazard class(es):</u> <u>14.4 Packing group:</u>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS: 3-(Polyoxyethylene)-propylheptamethyltrisiloxane) 9 III Danger label: 9 
Air transport (ICAO-IATA)	<u>14.1 UN-number:</u> <u>14.2 UN proper shipping name:</u> <u>14.3 Transport hazard class(es):</u> <u>14.4 Packing group:</u>	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (CONTAINS : 3-(Polyoxyethylene)-propylheptamethyltrisiloxane) 9 III 

14.5	Environmental hazards	
Environmental hazard	Yes.	
Marine pollutant	Yes.	
14.6	Special precautions for user	
Road transport	Classification code (ADR): M6 Special provisions (ADR): 274, 335, 375, 601 Limited quantities (ADR): 5L Exempt quantities (ADR): E1 Packing instructions (ADR): P001, IBC03, LP01, R001 Special packing instructions (ADR): PP1 Mixed packing requirements (ADR): MP19 Instructions for portable tanks and bulk containers (ADR): T4 Special provisions for portable tanks and bulk containers (ADR): TP1, TP29 Tank code (ADR): LGBV Tank transport vehicle: AT Transport category (ADR): 3 Special provisions for transport - packages (ADR): V12 Special provisions for transport - loading, unloading and handling (ADR): CV13 Hazard identification number (Kemler No): 90 Orange identification sign: 90 3082 Code for restrictions in tunnels (ADR): -	
Transport at sea	Special provision (IMDG): 274, 335, 969 Limited quantities (IMDG): 5 L Exceptional quantities (IMDG): E1 Packing Instructions (IMDG): LP01, P001 Special packing instructions (IMDG): PP1 Packing Instructions IBC (IMDG): IBC03 Instructions for tanks (IMDG): T4 Special provisions for tanks (IMDG): TP1, TP29 No NS (Fire): F-A No. NS (Spill): S-F Stowage category (IMDG): A	
Air transport	PCA Anticipated quantities (IATA): E1 PCA Restricted quantities (IATA): Y964 PCA restricted quantity max. net quantity (IATA): 30kgG PCA packaging requirements (IATA): 964 PCA max. net quantity (IATA): 450L CAO packaging requirement (IATA): 964 CLA max. net quantity (IATA): 450L Special provisions (IATA): A97, A158, A197, A215 ERG (IATA) code: 9L	
Transport on inland waters	Classification code (ADN): M6 Special provision (ADN): 274, 335, 375, 601 Limited quantities (ADN): 5 L Exceptional quantities (ADN): E1 Transport authorised (ADN): T	

	Equipment required (ADN): PP Number of blue cones/lights (ADN): 0												
Rail transport	Classification code (RID): M6 Special provision (RID): 274, 335, 375, 601 Restricted quantities (RID): 5L Exceptional quantities (RID): E1 Packing instructions (RID): P001, IBC03, LP01, R001 Special conditions of packing (RID): PP1 Special conditions of mixed packing (RID): MP19 Instructions for portable tanks and bulk containers (RID): T4 Special provisions for portable tanks and bulk containers (RID): TP1, TP29 Tank codes for transport tanks (RID): LGBV Transport category (RID): 3 Special provisions for transport - packages (RID): W12 Special provisions for transport - loading, unloading and handling (RID): CW13, CW31 Express parcels (RID): CE8 Hazard identification number (RID): 90												
14.7	<u>Maritime transport in bulk according to IMO instruments</u>												
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)	REACH Annex XVII (restricted substances): <table><tr><th colspan="3">REACH list of restrictions (Annex XVII)</th></tr><tr><th>Reference code</th><th>Applicable to</th><th>Reference or description</th></tr><tr><td>3(b)</td><td>Knock Pest Bloedluis Spray; 3-(Polyoxyethylene)-propylheptamethyltri-siloxane</td><td>Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories in accordance with Annex I to EC Regulation 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10</td></tr><tr><td>3(c)</td><td>Knock Pest Bloedluis Spray; 3-(Polyoxyethylene)-propylheptamethyltri-siloxane</td><td>Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories in accordance with Annex I to EC Regulation 1272/2008: Hazard Class 4.1</td></tr></table> REACH Annex XIV (list of substances subject to authorisation) Does not contain substance(s) included in REACH Annex XIV (list of substances subject to authorisation). REACH candidate list (SVHC) Does not contain substance(s) included in the REACH candidate list.	REACH list of restrictions (Annex XVII)			Reference code	Applicable to	Reference or description	3(b)	Knock Pest Bloedluis Spray; 3-(Polyoxyethylene)-propylheptamethyltri-siloxane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories in accordance with Annex I to EC Regulation 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	3(c)	Knock Pest Bloedluis Spray; 3-(Polyoxyethylene)-propylheptamethyltri-siloxane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories in accordance with Annex I to EC Regulation 1272/2008: Hazard Class 4.1
REACH list of restrictions (Annex XVII)													
Reference code	Applicable to	Reference or description											
3(b)	Knock Pest Bloedluis Spray; 3-(Polyoxyethylene)-propylheptamethyltri-siloxane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories in accordance with Annex I to EC Regulation 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10											
3(c)	Knock Pest Bloedluis Spray; 3-(Polyoxyethylene)-propylheptamethyltri-siloxane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories in accordance with Annex I to EC Regulation 1272/2008: Hazard Class 4.1											

	PIC regulation (prior informed consent) Contains no substances included in the PIC list (Regulation EU 649/2012 on export and import of dangerous chemicals). POPs regulation (persistent organic pollutants) Does not contain any substances included in the POP list (Regulation EU 2019/1021 on organic pollutants). Ozone regulation (1005/2009) Does not contain any substances listed as ozone depleting substances (EU Regulation 1005/2009 on substances that deplete the ozone layer). Dual-use Regulation (428/2009) Does not contain any substance covered by COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items. Seveso regulation (disaster risk reduction) <table><tr><th rowspan="2">SEVESO III Part I (Categories of hazardous substances)</th><th colspan="2">Thresholds (tons)</th></tr><tr><th>Low threshold</th><th>High threshold</th></tr><tr><td>E2 Hazardous to the aquatic environment in category Chronic 2</td><td>200</td><td>500</td></tr></table> Regulation on explosives precursors (2019/1148) Does not contain any substances listed as explosives precursors (Regulation EU 2019/1148 on the marketing and use of explosives precursors). Drug precursors regulation (273/2004) Does not contain any substances included in the list of drug precursors (Regulation EC 273/2004 on the production and placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).	SEVESO III Part I (Categories of hazardous substances)	Thresholds (tons)		Low threshold	High threshold	E2 Hazardous to the aquatic environment in category Chronic 2	200	500
SEVESO III Part I (Categories of hazardous substances)	Thresholds (tons)								
	Low threshold	High threshold							
E2 Hazardous to the aquatic environment in category Chronic 2	200	500							
National regulations	Netherlands <i>ABM Category:</i> A(2) - toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. <i>SZW list of carcinogenic substances:</i> None of the constituents are present. <i>SZW list of mutagenic substances:</i> None of the constituents are present. <i>SZW list of reprotoxic substances - Breastfeeding:</i> None of the constituents are present. <i>SZW list of reprotoxic substances - Fertility:</i> None of the constituents are present. <i>SZW list of reprotoxic substances - Development:</i> None of the constituents are present.								
15.2	Chemical safety assessment								
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)	H319 Causes serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.
Classification procedure	Acute Tox. 4 (Inhalation); H332: Calculation method Eye Irrit. 2; H319: Calculation method Aquatic Chronic 2; H411: Calculation method
List of abbreviations and acronyms	Acute Tox.: Acute Toxicity. 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 Chronic: Hazardous to the aquatic environment (chronic). 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. EC50: Median Effective Concentration. 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.: Serious eye irritation. 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: Concentration leading to death in 50 % of a test population. LD50: Dose leading to death in 50 % of a test population. Log KOW: n-Octanol/water. M-factor: Multiplication factor. OECD: Organisation for Economic Cooperation and Development. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.



MSDS

Material Safety Data Sheet

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
SCL: Specific concentration limit.
SVHC: Substance 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.

Hofman Pest Control denies all responsibility for loss or damage resulting from the use of these data.

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