

MSDS MATERIAL SAFETY DATA SHEET		0.1 Product	Knock Pest Muggenlarven Stop
		0.2 Status	Active
		0.3 Version	2
		0.4 Version date	04-04-2025
1. Identification of the substance/mixture and of the company			
1.1 Product identification			
Product name		Knock Pest Muggenlarven Stop	
Trade name		Knock Pest Muggenlarven Stop / Knock Pest Mosquito larvae Stop / Knock Pest Stop Larves de moustiques / Knock Pest Mückenlarven Stop	
Product code		KNOC00041	
Chemical description		Mixture	
UFI		-	
REACH registration number		-	
1.2 Relevant identified uses of the substance or mixture and uses advised against			
Identified use(s)		Ready-to-use liquid for the control of mosquito larvae and pupae.	
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 – Utrecht TEL: +31 (0) 88 755 8000 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: This product is not classified according to the CLP regulation. 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)		Not applicable.	
Hazard pictogram(s)		Not applicable.	
Signal word		Not applicable.	
Hazard statements		Not applicable.	
Additional hazard statements		EUH210 Safety data sheet available on request.	
Precautionary measures		Not applicable.	

2.3	<u>Other hazards</u>						
Results of PBT and vPvB assessment			PBT: The mixture does not contain any PBT substances at a concentration of 0.1% by weight or above. vPvB: The mixture does not contain any vPvB substances at a concentration of 0.1% by weight or above.				
Endocrine disrupting properties			The mixture contains no substances with endocrine-disrupting properties in a concentration of 0.1% or more by weight.				
3. Composition / information on ingredients							
3.1	<u>Substances</u>			Not applicable (mixture).			
3.2	<u>Mixtures</u>			Mixture of the substances listed below with non-hazardous admixtures.			
Name component(s)		Weight %	CAS no.	EINECS no.	Index no.	REACH no.	Classification
Alcohols, C14-18, ethoxylated propoxylated		1-5	68002-96-0	614-209-5	-	-	Aquatic Chronic 3; H412
(2-methoxymethyl-ethoxy) propanol		≤1	34590-94-8	252-104-2		01-2119450011-60	-
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			See instructions below for each specific form of exposure.				
First aid measures in case of inhalation			Administer plenty of fresh air and consult a doctor as a precaution.				
First aid measures in case of skin contact			Wash thoroughly with soap and water. If skin remains irritated, consult a doctor.				
First aid measures in case of eye contact			Rinse opened eyes under running water for several minutes. If eye irritation persists: consult a doctor.				
First aid measures in case of ingestion			Seek expert medical advice immediately.				
4.2	<u>Most important symptoms and effects, both acute and delayed</u>						
No relevant information available.							
4.3	<u>Indication of any immediate medical attention and special treatment needed</u>						
Treatment: symptomatic.							
5. Firefighting measures							
5.1	<u>Extinguishing media</u>						
Suitable extinguishing media			CO ₂ , powder or water spray. Fight larger fires with water spray.				
Unsuitable extinguishing media			As far as known, there are no unsuitable extinguishing agents.				
5.2	<u>Special hazards arising from the substance or mixture</u>						
Special exposure hazards			In case of fire, toxic gases may be produced.				
5.3	<u>Advice for firefighters</u>						
Special protective equipment			Fire-fighting equipment in accordance with European standards EN469.				
Special procedures			Do not inhale the explosion and fire gases.				
Additional information			Contaminated extinguishing water should be destroyed in accordance with regulations.				
6. Accidental release measures							
6.1	<u>Personal precautions, protective equipment and emergency procedures</u>						
Personal precautions			Wear personal protective equipment. Keep unprotected persons away.				
6.2	<u>Environmental precautions</u>						
Environmental precautions			No special measures required.				
6.3	<u>Methods and material for containment and cleaning up</u>						
Methods for cleaning up			Ensure adequate ventilation after cleaning. Absorb the liquid components with liquid-binding material. Discard the absorbed material as directed.				

6.4	Reference to other sections					
Safe handling		See section 7.				
Personal protection		See section 8.				
Removal of the waste product		See section 13.				
7. Handling and storage						
7.1	Precautions for safe handling					
Handling		Wash thoroughly with soap and water after use or in case of skin contact. Avoid contact with eyes. When handling the product, do not contaminate food, drinks or containers intended to contain them. Do not smoke near the product. Do not eat, drink or smoke while using this product.				
Protection against fire and explosion		See section 5. See section 6.				
7.2	Conditions for safe storage, including any incompatibilities					
Requirements to be met by storage facilities and tanks		Store only in the original packaging. Keep the closed packaging in a dry, cool and well-ventilated place.				
Information on storage in one common storage facility		Keep away from food, drink and animal feed. When handling the product, do not contaminate food, beverages or containers intended to contain them.				
Additional information on storage conditions		Keep out of reach of children and pets. Protect against freezing. Keep away from heat and direct sunlight. Protect from moisture and water.				
7.3	Specific end use(s)					
Ready-to-use liquid for the control of mosquito larvae and pupae.						
8. Exposure controls / personal protection						
8.1	Control parameters					
Occupational exposure limits						
Occupational exposure limit values						
Cas no	Name of agent	TWA-8h (ppm)	TWA-8h (mg/m³)	TWA- 15 min (ppm)	TWA-15 min (mg/m³)	Source
34590-94-8	(2-methoxymethyl-ethoxy) propanol	48.7	300			NL
		50	308			REACH
		50	310	50	310	TRGS 900 (DE)
TWA-8h= (time-weighted average) long-term exposure limit; TWA-15 min = short-term exposure limit						
Regulations		NL: Annex XIII associated with Article 4.19(1); List of legal limit values under Articles 4.3(1) and 4.16(1) of the Working Conditions Decree.				
Biological limit values		No information available.				

DNELs

Relevant DNELs of components of the mixture						
Name of agent	Cas no	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
(2-methoxymethyl-ethoxy) propanol	34590-94-8	DNEL	36 mg/kg BW/day	Oral	Consumer	Chronic - systemic effects
		DNEL	121 mg/kg BW/day	Dermal	Consumer	Chronic - systemic effects
		DNEL	283 mg/kg BW/day	Dermal	Worker	Chronic - systemic effects
		DNEL	37.2 mg/m ³	Inhalation	Consumer	Chronic - systemic effects
		DNEL	308 mg/m ³	Inhalation	Worker	Chronic - systemic effects

PNECs

Relevant PNECs of components of the mixture					
Name of substance	Cas no	End-point	Threshold level	Environmental compartment	Exposure time
(2-methoxymethyl-ethoxy) propanol	34590-94-8	PNEC	19 mg/l	Fresh water	-
		PNEC	190 mg/l	Intermittent release	-
		PNEC	1.9 mg/l	Marine water	-
		PNEC	4,168	Sewage treatment	-
		PNEC	70.2 mg/kg	Freshwater sediments	-
		PNEC	7.02 mg/kg	Marine sediments	-
		PNEC	2.74 mg/kg	Soil	-

8.2 Exposure controls

Appropriate engineering controls No further information; see section 7.

Personal protection equipment

General protective and health measures	The usual precautions should be observed when handling chemicals. Keep away from food, drink and animal feed. Wash hands before each work break and at the end of work. Do not eat, drink, smoke or sniff while working.
Eye / face protection	Not required in normal use of the product.
Skin protection	No information available.
Hand protection	Not required in normal use of the product.
Respiratory protection	Not required in normal use of the product.
Thermal hazards	No information available.
Environmental exposure controls	See section 6.
Risk management measures	Follow the instructions described above.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Pale yellow.
Odour	Characteristic.
Odour threshold	No data available.

Melting point/freezing point	No data available.
Boiling point/range (1013 hPa)	No data available.
Flammability	Not applicable.
Lower and upper explosion limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	6.04 (1% aq.)
Kinematic viscosity	No data available.
Dynamic viscosity	No data available.
Solubility in water	Not miscible.
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density	No data available.
Relative density	0.855 g/ml.
Vapour density	No data available.
Particle characteristics	No data available.
9.2	<u>Other information</u>
Form	Ready-to-use liquid.
Explosives	Not applicable.
Flammable gases	Not applicable.
Aerosols	Not applicable.
Oxidising gases	Not applicable.
Gases under pressure	Not applicable.
Flammable liquids	Non-flammable.
Flammable solids	Not applicable.
Self-reactive substances and mixtures	Not self-reactive.
Pyrophoric liquids	Not pyrophoric.
Pyrophoric solids	Not applicable.
Self-heating substances and mixtures	No self-heating.
Substances and mixtures, which emit flammable gases in contact with water	Not applicable.
Oxidising liquids	Non-oxidising
Oxidizing solids	Not applicable.
Organic peroxides	Not applicable.
Corrosive to metals	Non-corrosive to metals.
Desensitised explosives	Not applicable.
10. Stability and reactivity	
10.1	<u>Reactivity</u>
Reactivity	Under standard handling and storage conditions, the product shows no hazardous reactions.
10.2	<u>Chemical stability</u>
Stability	Stable at room temperature and if used as recommended.
Thermal degradation / conditions to be avoided	No decomposition when used according to product specification.
10.3	<u>Possibility of hazardous reactions</u>
Hazardous reactions	No dangerous reactions known.
10.4	<u>Conditions to avoid</u>
Conditions to avoid	Under standard handling and storage conditions, the product shows no hazardous reactions.
10.5	<u>Incompatible materials</u>

Materials to avoid		Store only in the original packaging. Given the lack of information on possible incompatibilities with other substances, it is recommended not to use it in combination with other products.			
10.6	Hazardous decomposition products				
Hazardous decomposition products		Under normal storage and use conditions, no hazardous reactions will occur.			
11. Toxicological information					
11.1	Information on hazard classes as defined in Regulation (EC) no. 1272/2008				
Acute toxicity		Based on available data, the classification criteria are not met.			
		CAS: 34590-94-8 (2-methoxymethyl-ethoxy) propanol			
		Acute toxicity		Species	
LD50 Oral		>5,000 mg/kg BW		Rat	
LD50 Dermal		9,510 mg/kg BW		Rabbit	
LC50 Inhalation		3.35 mg/l (vapours / 7h)		Rat (no mortality at this concentration)	
Skin corrosion/irritation		Based on available data, the classification criteria are not met.			
Serious eye damage/irritation		Based on available data, the classification criteria are not met.			
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		Based on available data, the classification criteria are not met.			
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.			
Additional toxicological information		No relevant information available.			
11.2	Information on other hazards				
Endocrine disrupting potential		The mixture contains no substances with endocrine-disrupting properties in a concentration of 0.1% or more by weight.			
12. Ecological information					
12.1	Toxicity				
Aquatic and/or terrestrial toxicity					
Cas no	Name of substance	Aquatic toxicity	Dose	h/d	Species
34590-94-8	(2-methoxymethyl-ethoxy) propanol	Aquatic invertebrates	LC50: 2,070 mg/l	48 h	-
		Algae	ErC50: >969 mg/l	96 h	-
		Crustaceans	LC50: >1,000 mg/l	96 h	-
		Fish	LC50: >1,000 mg/l	96 h	-
		-	LC50 (static): 1,919 mg/l	48 h	Daphniae
		-	NOEC: >0.5 mg/l	22 d	Daphniae
		-	LOEC: >0.5 mg/l	22 d	Daphniae
68002-96-0	Alcohols, C14-18, ethoxylated propoxylated	-	EC50: >10 mg/l	72 h	Pseudokirchneriella subcapitata)
		-	LC50: >100 mg/l	96 h	Danio rerio
		-	EC50: >10 mg/l	48 h	Daphnia magna

12.2	Persistence and degradability	
Persistence and degradability		<u>34590-94-8 - (2-methoxymethylethoxy) propanol</u> Biodegradability: 75% (28 days, OECD301F or equivalent).
12.3	Bioaccumulative potential	
Bioaccumulation		<u>34590-94-8 - (2-methoxymethylethoxy) propanol</u> Bioconcentration factor: BCF=100; Potentially not bioaccumulative. Partition coefficient octanol/water: Log Kow=1.01.
12.4	Mobility in soil	
Mobility		<u>34590-94-8 - (2-methoxymethylethoxy) propanol</u> Organic carbon partition coefficient: Koc=0.28. Mobile in soil.
12.5	Results of PBT and vPvB assessment	
Assessment		PBT: The mixture does not contain any PBT substances at a concentration of 0.1% by weight or above. vPvB: The mixture does not contain any vPvB substances at a concentration of 0.1% by weight or above.
12.6	Endocrine disrupting properties	
Endocrine disrupting potential		The mixture contains no substances with endocrine-disrupting properties in a concentration of 0.1% or more by weight.
12.7	Other adverse effects	
Other adverse effects		No relevant information available.
13. Disposal considerations		
13.1	Waste treatment methods	
Product disposal		Must not be disposed of together with household waste. Dispose of in accordance with local regulations.
European list of waste products		No information available.
Disposal of packaging		Do not reuse empty containers. Empty containers must not enter the environment. Dispose of in accordance with local regulations.
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.
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.
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.
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)	<u>Directive 2012/18/EU</u> <u>Dangerous substances listed by name - ANNEX I</u> None of the ingredients is listed. <u>Seveso category</u> This product is not subject to the provisions of the Seveso Directive. <u>Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)</u> The mixture does not contain any substances identified as persistent organic pollutants (POPs). <u>LIST OF AUTHORISED SUBSTANCES (ANNEX XIV)</u> The product does not contain any substances listed in Annex XIV. <u>REGULATION (EC) No 1907/2006 ANNEX XVII</u> Restriction conditions: 3 <u>Regulation (EU) No 649/2012 (PIC)</u> There are no substances listed in this Regulation. <u>REGULATION (EU) 2019/1148 - Explosives precursors</u> The mixture does not contain explosives precursors in concentrations equal to or greater than 1%. <u>Substances of Very High Concern (SVHC) according to REACH, Article 59</u> The mixture does not contain any SVHC substances in a concentration equal to or greater than 0.1% by weight. <u>Regulation (EU) No 2024/590: ozone-depleting substances</u> The mixture does not contain ozone-depleting substances.
National regulations	No further information available.
Additional regulations, restrictions and prohibitions	No further information available.

15.2 Chemical safety assessment

A chemical safety assessment in accordance with Regulation (EC) No 1907/2006 has not been carried out for the mixture.

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)	H412 Harmful to aquatic life with long lasting effects. EUH210 Safety data sheet available on request.
Classification procedure	Physicochemical hazards: classification of the mixture is based on the criteria set out in Part 2 of Annex I to Regulation (EC) No 1272/2008. If applicable, the methods are listed in section 9. Health and environmental hazards: the classification of the mixture is based on the calculation method set out in Parts 3 and 4 of Annex I to Regulation (EC) No 1272/2008, using data on the ingredients.
List of abbreviations and acronyms	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADR/RID/ADN: Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways. Aquatic Chronic: Hazardous to the aquatic environment – chronic hazard. ATE: Acute toxicity estimate. BCF: Bio-concentration factor.

BW: Body weight.
 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: Effective Concentration 50%.
 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.
 ErC50: Concentration resulting in a 50% reduction in growth rate.
 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.
 Koc: Organic carbon-water partition coefficient.
 LC50: Lethal Concentration to 50 % of a test population.
 LD50: Lethal Dose to 50% of a test population.
 LOEC: Lowest Observed Effect Concentration.
 Log POW: n-Octanol/water.
 M-factor: Multiplication factor.
 NOEC: No Observed Effect Concentration.
 OECD: Organisation for Economic Co-operation 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.
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
 SCL: Specific concentration limit.
 SVHC: Substances of Very High Concern.
 vPvB: Very Persistent and Very Bioaccumulative.

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

End of document