according to the OSHA Hazard Communication Standard



### Cypermethrin Liquid Formulation

Version 1.7	Revision Date: 06/26/2024		DS Number: 849160-00008	Date of last issue: 04/16/2024 Date of first issue: 09/12/2022		
SECTION	SECTION 1. IDENTIFICATION					
	ct name means of identification		AND BLOWFLY	G WOOL SPRAY-ON LICE TREATMENT STRIKE PREVENTIVE FOR LONG EP AND UNSHORN LAMBS (38354)		
Manu	facturer or supplier's	deta	ails			
Comp Addre	any name of supplier ss	:	Merck & Co., Inc 126 E. Lincoln Av Rahway, New Jer	renue rsey U.S.A. 07065		
	hone gency telephone I address		908-740-4000 1-908-423-6000 EHSDATASTEW			
Reco	mmended use of the c	hen	nical and restriction	ons on use		
	nmended use ctions on use	:	Veterinary produc Not applicable	xt		

#### **SECTION 2. HAZARDS IDENTIFICATION**

# GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	:	Category 1
Carcinogenicity	:	Category 1B
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 2 (Nervous system)
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H317 May cause an allergic skin reaction. H350 May cause cancer. H361f Suspected of damaging fertility. H371 May cause damage to organs (Nervous system).
Precautionary Statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.

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ersion 7	Revision Date: 06/26/2024	SDS Number: 10849160-00008	Date of last issue: 04/16/2024 Date of first issue: 09/12/2022
		P264 Wash skir P270 Do not ea P272 Contamina the workplace.	eathe mist or vapors. a thoroughly after handling. t, drink or smoke when using this product. ated work clothing must not be allowed out of ective gloves, protective clothing, eye protection tion.
		P308 + P311 IF P308 + P313 IF P333 + P313 If s tion.	ON SKIN: Wash with plenty of soap and water. exposed or concerned: Call a doctor. exposed or concerned: Get medical attention. skin irritation or rash occurs: Get medical atten- taminated clothing before reuse.
		<b>Storage:</b> P405 Store lock	ed up.
		<b>Disposal:</b> P501 Dispose o disposal plant.	f contents and container to an approved waste
•	r <b>hazards</b> known.		

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance /	Mixture	:	Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Propylene glycol	57-55-6	6
Cypermethrin	52315-07-8	5.19
Formaldehyde	50-00-0	0.24

#### **SECTION 4. FIRST AID MEASURES**

General advice	advice immediately.	if you feel unwell, seek medical or in all cases of doubt seek medical
If inhaled	If inhaled, remove to fresh Get medical attention.	n air.
In case of skin contact	In case of contact, immed of water. Remove contaminated clo Get medical attention. Wash clothing before reus Thoroughly clean shoes b	se.
In case of eye contact	Flush eyes with water as a Get medical attention if irr	a precaution. itation develops and persists.
If swallowed	If swallowed, DO NOT ind	· ·



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Most	important symptoms	Never give anyt	ention. proughly with water. hing by mouth to an unconscious person. Illergic skin reaction.			
and effects, both acute and delayed		May cause can Suspected of da	May cause cancer. Suspected of damaging fertility.			
Prote	ction of first-aiders	and use the rec	age to organs. ders should pay attention to self-protection, ommended personal protective equipment tial for exposure exists (see section 8).			
Notes	to physician	: Treat symptoma	atically and supportively.			

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx)
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.

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		absorbent. Local or nation disposal of thi employed in the determine white Sections 13 at	aining materials from spill with suitable nal regulations may apply to releases and s material, as well as those materials and items ne cleanup of releases. You will need to ich regulations are applicable. nd 15 of this SDS provide information regarding r national requirements.
SECTIO	N 7. HANDLING AND ST	ORAGE	
Teo	chnical measures		ing measures under EXPOSURE PERSONAL PROTECTION section.
Loc	al/Total ventilation		ntilation is unavailable, use with local exhaust
Adv	vice on safe handling	: Do not get on Do not breath Do not swallow Avoid contact Wash skin tho Handle in acco practice, base assessment Keep containe Do not eat, dr	
Co	nditions for safe storage	: Keep in prope Store locked u Keep tightly cl	
Ma	terials to avoid	: Do not store v Strong oxidizi	vith the following product types: ng agents substances and mixtures

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Propylene glycol	57-55-6	TWA	10 mg/m <sup>3</sup>	US WEEL
Cypermethrin	52315-07-8	TWA	50 µg/m3 (OEB 3)	Internal
	Further informa	ation: DSEN, Sk	in	
		Wipe limit	100 µg/100 cm2	Internal
Formaldehyde	50-00-0	TWA	0.1 ppm	ACGIH
		STEL	0.3 ppm	ACGIH
		TWA	0.016 ppm	NIOSH REL



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# Cypermethrin Liquid Formulation

sion	Revision Date: 06/26/2024	SDS Number: 10849160-00008		of last issue: 04/16/2024 of first issue: 09/12/2022	
			С	0.1 ppm	NIOSH R
			PEL	0.1 ppm 0.75 ppm	OSHA CA
			STEL		OSHA CA
			TWA	2 ppm 0.016 ppm (Formaldehyde)	NIOSH R
			С	0.1 ppm (Formaldehyde)	NIOSH R
Engir	neering measures	technologies t less quick con All engineering design and op protect produc	o control ai nections). g controls s erated in a cts, workers	ring controls and manufa rborne concentrations ( hould be implemented to ccordance with GMP prises, and the environment.	e.g., drip- by facility inciples to
Perso	onal protective equip	ment			
	iratory protection	maintain vapo concentrations unknown, app Follow OSHA use NIOSH/M by air purifying hazardous che supplied respi release, expos	r exposures s are above ropriate res respirator r SHA appro g respirators emical is lin rator if there sure levels where air p	st ventilation is recomme s below recommended l e recommended limits or spiratory protection shou egulations (29 CFR 191 ved respirators. Protecti s against exposure to an nited. Use a positive pre e is any potential for und are unknown, or any oth urifying respirators may	imits. Where are uld be worn. 0.134) and ion provided ny essure air controlled ner
	protection aterial	: Chemical-resi	stant gloves	5	
Skin a	and body protection ene measures	If the work env mists or aeros Wear a facesh potential for di aerosols. Work uniform If exposure to eye flushing s working place When using d Contaminated workplace. Wash contam	vironment c iols, wear th nield or othe irect contact or laborato chemical is ystems and o not eat, d work cloth	side shields or goggles or activity involves dusty ne appropriate goggles. er full face protection if t at to the face with dusts, ry coat. Is likely during typical use I safety showers close to rink or smoke. ing should not be allowed hing before re-use. f a facility should include	conditions, here is a mists, or e, provide o the ed out of the
		engineering co appropriate de	ontrols, pro egowning a ene monito	per personal protective nd decontamination pro ring, medical surveilland	equipment, cedures,

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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Vers 1.7	sion	Revision Date: 06/26/2024		S Number: 349160-00008	Date of last issue: 04/16/2024 Date of first issue: 09/12/2022
	Appear	ance	:	suspension	
	Color		:	pink	
				red	
	Odor		:	No data available	
	Odor T	hreshold	:	No data available	
	рН		:	3.0 - 6.0	
	Melting	point/freezing point	:	No data available	
	Initial b range	oiling point and boiling	:	No data available	
	Flash p	ooint	:	No data available	
	Evapor	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Relative	e density	:	1.02	
	Density	,	:	No data available	
	Solubili Wat	ty(ies) er solubility	:	soluble	
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty cosity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	

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Oxidiz	zing properties	:	The substance of	or mixture is not classified as oxidizing.
Molec	ular weight	:	No data availabl	e
	le characteristics le size	:	Not applicable	

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	Can react with strong oxidizing agents.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition	:	No hazardous decomposition products are known.
products		

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20000 ppm Exposure time: 4 h Test atmosphere: gas Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:		
<u>Components:</u> Propylene glycol:		
	:	LD50 (Rat): 22,000 mg/kg
Propylene glycol:	:	





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		Asses toxicit		e substance or mixture has no acute dermal
Cyper	methrin:			
Acute	oral toxicity	: LD50	(Rat, femal	e): 367 mg/kg
		LD50	(Rat, male)	: 891 mg/kg
Acute	dermal toxicity	: LD50	(Rat): > 4,8	300 mg/kg
		LD50	(Rabbit): >	2,400 mg/kg
Forma	aldehyde:			
	oral toxicity	Metho	od: Expert ju	imate: 100 mg/kg udgment on national or regional regulation.
Acute	inhalation toxicity	Expos Test a	toxicity esti sure time: 4 atmosphere: od: Expert ju	: gas
Acute	dermal toxicity	: LD50	(Rabbit): 27	70 mg/kg
Not cla	corrosion/irritation assified based on ava onents:	ilable inform	ation.	
Propy	lene glycol:			
Specie Metho Result	es d		it D Test Guide in irritation	eline 404
Cyper	methrin:			
Specie Metho Result	d		it e Test in irritation	
Forma	aldehyde:			
Result Rema				minutes to 1 hour of exposure al or regional regulation.
	u <b>s eye damage/eye</b> i assified based on ava		ation.	
Comp	onents:			
<b>Propy</b> Specie	r <b>lene glycol:</b> es	: Rabbi	it	



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	Result Method	t	:	No eye irritation OECD Test Guide	eline 405
	Cyperi Specie Result Method		:	Rabbit No eye irritation Draize Test	
	<b>Forma</b> Result Remar		:	Irreversible effect Based on skin co	
	Respir	atory or skin sensitiz	atio	on	
		ensitization ause an allergic skin rea	acti	on.	
	Respir	ratory sensitization			
	Comp	onents:			
	Test Ty	of exposure s	: : :	Maximization Tes Skin contact Guinea pig negative	t
	<b>Cyperi</b> Test Ty Specie Assess Result	sment	:	Magnusson-Kligm Guinea pig Did not cause ser Not a skin sensitiz	nsitization on laboratory animals.
	Test Ty	of exposure		Human repeat ins Skin contact Humans positive	sult patch test (HRIPT)
	Assess	sment	:	Probability or evic humans	lence of high skin sensitization rate in
	Not cla	<b>cell mutagenicity</b> Issified based on availa	able	information.	
		onents:			
		l <b>ene glycol:</b> oxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)

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			Test Type: Chrom Method: OECD To Result: negative	nosome aberration test in vitro est Guideline 473
	Genotoxicity in vivo	:	cytogenetic assay Species: Mouse	nalian erythrocyte micronucleus test (in vivo ′) : Intraperitoneal injection
	Cypermethrin:			
	Genotoxicity in vitro	:	Test Type: Chrom Test system: Hum Result: negative	nosome aberration test in vitro nan lymphocytes
			Test Type: Microb Result: negative	vial mutagenesis assay (Ames test)
			Test Type: sister of Test system: Hum Result: negative	chromatid exchange assay nan lymphocytes
	Genotoxicity in vivo	:	Test Type: In vivo Species: Rat Application Route Result: positive	micronucleus test : Oral
			Test Type: In vivo Species: Rat Application Route Result: positive	micronucleus test : Dermal
			Species: Rat	micronucleus test : Intraperitoneal injection
	Germ cell mutagenicity - Assessment	:	Weight of evidenc	e does not support classification as a germ
	Formaldehyde:			
	Genotoxicity in vitro	:	Test Type: Bacter Result: positive	ial reverse mutation assay (AMES)
			Test Type: In vitro Result: positive	mammalian cell gene mutation test
			Test Type: Chrom Result: positive	nosome aberration test in vitro
	Genotoxicity in vivo	:	Test Type: In vivo	mammalian alkaline comet assay



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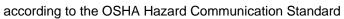
/ersion .7	Revisi 06/26/	on Date: 2024		9S Number: 849160-00008	Date of last issue: 04/16/2024 Date of first issue: 09/12/2022
				Species: Mouse Application Route Result: positive	e: Inhalation
	n cell muta ssment	agenicity -	:	Positive result(s) genicity tests.	from in vivo mammalian somatic cell muta-
	<b>inogenic</b> cause car	-			
Com	ponents:				
Spec Appli	cation Ro sure time	ute	:	Rat Ingestion 2 Years negative	
Spec Appli	cation Ro sure time	ute	:	Rat inhalation (gas) 28 Months positive	
Carci ment IARC		y - Assess- Group 1: Car Formaldehyd		Sufficient evideno	ce of carcinogenicity in animal experiments 50-00-0
OSH	A		fically	regulated carcinc	
NTP		Known to be Formaldehyd		an carcinogen	50-00-0
Susp	oductive ected of c ponents:	damaging fertil	ity.		
-	<b>ylene gly</b> ts on ferti		:	Test Type: Two-g Species: Mouse Application Route Result: negative	generation reproduction toxicity study e: Ingestion
Effec	ts on feta	l development	:	Test Type: Embry Species: Mouse Application Route Result: negative	yo-fetal development e: Ingestion

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Effec	ts on fertility	:		e
				e
Effec	ts on fetal development	:	Species: Mouse Application Route General Toxicity I Symptoms: No eff	generation reproduction toxicity study : Oral Maternal: NOAEL: 5 mg/kg body weight fects on fetal development., No effect on acity., Reduced body weight
			test Species: Rabbit Application Route Teratogenicity: N	duction/Developmental toxicity screening : Oral DAEL: 30 mg/kg body weight fects on fetal development.
			test Species: Rat Application Route Teratogenicity: No	duction/Developmental toxicity screening : Oral DAEL: 17.5 mg/kg body weight fects on fetal development.
Repr sessi	oductive toxicity - As- ment	:		f adverse effects on sexual function and animal experiments.
	naldehyde: ts on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	ro-fetal development : inhalation (gas)
	T-single exposure cause damage to organs	5 (N	ervous system).	
<u>Com</u>	ponents:			
	ermethrin:	_		
	et Organs ssment	:	Nervous system May cause damag	ge to organs.



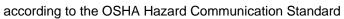


dose toxicity ents: e glycol: n Route	ailable information.	espiratory irritation.
ent eated exposure fied based on av dose toxicity ents: e glycol: n Route	ailable information.	espiratory irritation.
fied based on av dose toxicity ents: e glycol: n Route	ailable information. : Rat, male	
dose toxicity ents: e glycol: n Route	: Rat, male	
e <b>nts:</b> e glycol: n Route		
e glycol: n Route		
n Route		
	4 700	
	: >= 1,700 mg	ı/kg
	: Ingestion	
time	: 2 y	
hrin:		
	: Rat	
_	: 5 mg/kg	
gans	: Central nervo	ous system
	: Rabbit	
_		
		ous system
gans	. Ochiral herv	
	: Dog	
		tral nervous system effects
>	. anxiety, cent	indi hervous system enects
	: Rabbit	
- David		
		uctive organs
		ly weight gain, reduced food consumption
	thrin: n Route time gans n Route time gans n Route time s n Route time gans s n Route	<ul> <li>Rat</li> <li>5 mg/kg</li> <li>Oral</li> <li>ime</li> <li>3 Months</li> <li>gans</li> <li>Central nerver</li> <li>Rabbit</li> <li>12.5 mg/kg</li> <li>n Route</li> <li>Oral</li> <li>time</li> <li>3 Months</li> <li>gans</li> <li>Central nerver</li> <li>12.5 mg/kg</li> <li>n Route</li> <li>Oral</li> <li>time</li> <li>3 Months</li> <li>gans</li> <li>Central nerver</li> <li>Dog</li> <li>1 mg/kg</li> <li>n Route</li> <li>Oral</li> <li>time</li> <li>1 y</li> <li>anxiety, cent</li> <li>Rabbit</li> <li>20 mg/kg</li> <li>n Route</li> <li>Dermal</li> <li>time</li> <li>3 Weeks</li> <li>gans</li> <li>reduced bod</li> </ul>



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			The most commo Remarks: paraes	n side effects are: thesias
F	urther information			
<u>c</u>	omponents:			
С	ypermethrin:			
R	emarks	:	Dermal absorption	n possible
SECT	ION 12. ECOLOGICAL INFO	ORN	IATION	
E	cotoxicity			
<u>c</u>	omponents:			
Р	ropylene glycol:			
Т	oxicity to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 40,613 mg/l 6 h
	oxicity to daphnia and other quatic invertebrates	:	EC50 (Ceriodaph Exposure time: 48	nia dubia (water flea)): 18,340 mg/l 3 h
	oxicity to algae/aquatic lants	:	ErC50 (Skeletone Exposure time: 72 Method: OECD T	
a	oxicity to daphnia and other quatic invertebrates (Chron- toxicity)	:	NOEC (Ceriodapl Exposure time: 7	hnia dubia (water flea)): 13,020 mg/l d
	oxicity to microorganisms	:	NOEC (Pseudom Exposure time: 18	onas putida): > 20,000 mg/l 3 h
С	ypermethrin:			
	oxicity to fish	:	EC50 (Oncorhynd Exposure time: 96	chus mykiss (rainbow trout)): 0.39 μg/l 5 h
			EC50 (Cyprinodo μg/l Exposure time: 96	n variegatus (sheepshead minnow)): 0.95 6 h
	oxicity to daphnia and other quatic invertebrates	:	EC50 (Daphnia m Exposure time: 48	nagna (Water flea)): 0.0036 μg/l 3 h
			EC50 (Americam Exposure time: 48	ysis): 0.00475 μg/l 3 h
	oxicity to fish (Chronic tox- ity)	:	NOEC (Pimephal Exposure time: 30	es promelas (fathead minnow)): 0.14 μg/l ) d
a	oxicity to daphnia and other quatic invertebrates (Chron- toxicity)	:	NOEC (Mysidops Exposure time: 28	is bahia (opossum shrimp)): 0.000781 μg/l 3 d





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F	ormal	dehyde:			
	oxicity	-	:	LC50 (Morone sax Exposure time: 96	xatilis (striped bass)): 6.7 mg/l 3 h
		to daphnia and other invertebrates	:	EC50 (Daphnia pu Exposure time: 48	ulex (Water flea)): 5.8 mg/l 3 h
	oxicity lants	to algae/aquatic	:	ErC50 (Desmodes Exposure time: 72 Method: OECD Te	
а		to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia n Exposure time: 21 Method: OECD Te	
Т	oxicity	to microorganisms	:	EC50 (activated s Exposure time: 3 Method: OECD Te	h
Р	Persist	ence and degradabili	ity		
<u>C</u>	Compo	nents:			
Р	Propyle	ene glycol:			
		adability	:	Result: Readily bid Biodegradation: 9 Exposure time: 28 Method: OECD Te	98.3 %
C	vnerm	nethrin:			
	•••	in water	:	Degradation half I	ife (DT50): 17 d
		<b>dehyde:</b> adability	:	Result: Readily bio Biodegradation: 9 Exposure time: 28 Method: OECD Te	99 %
В	Bioacci	umulative potential			
<u>c</u>	Compo	nents:			
Р		ene glycol: n coefficient: n- water	:	log Pow: -1.07 Method: Regulatio	on (EC) No. 440/2008, Annex, A.8
		<b>nethrin:</b> Imulation	:	Bioconcentration f	factor (BCF): 488
	Partitior	n coefficient: n- /water	:	log Pow: 6.6	
				15/20	



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Partiti	aldehyde: on coefficient: n- ol/water	: log Pow: 0.35 Remarks: Ca	
Mobi	lity in soil		
Com	oonents:		
Суре	rmethrin:		
menta	oution among environ- al compartments ity in soil	: log Koc: 5.58 :	
Othe	adverse effects		
No da	ata available		

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulations

UNRTDG		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cypermethrin)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Cypermethrin)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964
Environmentally hazardous	:	yes
IMDG-Code UN number	:	UN 3082
	-	



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Prope	er shipping name	: ENVIRONME N.O.S. (Cypermethri	ENTALLY HAZARDOUS SUBSTANCE, LIQUID,		
Class	5	: 9	,		
	ing group	:			
Labe		: 9			
EmS	Code	: F-A, S-F			
Marir	e pollutant	: yes			
Trans	sport in bulk accord	ing to Annex II of M	ARPOL 73/78 and the IBC Code		
	pplicable for product	-			
Dom	estic regulation				
49 CI	FR				
UN/I	D/NA number	: UN 3082			
Prope	er shipping name	: Environment (Cypermeth	ally hazardous substance, liquid, n.o.s. in)		
Class	6	: 9			
Pack	ing group	: 111			
Labe		: CLASS 9			
	Code	: 171			
Marir	e pollutant	: yes(Cyperme	: yes(Cypermethrin)		

#### Special precautions for user

Remarks

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Above applies only to containers over 119 gallons or 450

#### SECTION 15. REGULATORY INFORMATION

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Formaldehyde	50-00-0	100	41666

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

:

liters.

Components	CAS-No.	Component RQ	Calculated product RQ
•		(lbs)	(lbs)
Formaldehyde	50-00-0	100	41666

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Respiratory or skin sensitization Carcinogenicity Reproductive toxicity Specific target organ toxicity (single or repeated exposure)
SARA 313	:	The following components are subject to reporting levels established by SARA Title III, Section 313:



3

1

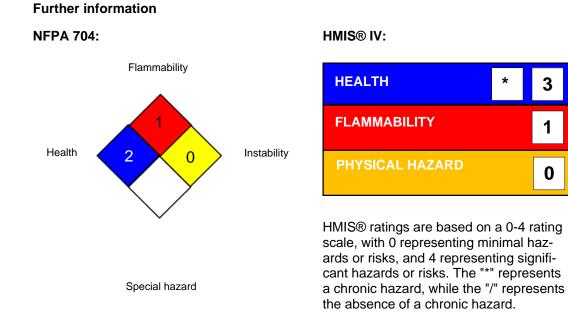
0

according to the OSHA Hazard Communication Standard

### **Cypermethrin Liquid Formulation**

Version 1.7	Revision Date: 06/26/2024	SDS Number: 10849160-00008	Date of last iss Date of first iss	
		Formaldehyde	50-00-0	0.24 %
US St	ate Regulations			
Penn	sylvania Right To Kno	w		
	Water Propylene glycol Cypermethrin Formaldehyde Sodium hydroxide			7732-18-5 57-55-6 52315-07-8 50-00-0 1310-73-2
WARI knowr	ornia Prop. 65 NING: This product can n to the State of Californ P65Warnings.ca.gov.			maldehyde, which is/are on go to
Califo	ornia Regulated Carci	nogens		
	Formaldehyde			50-00-0
The in	ngredients of this pro	duct are reported in t	he following inv	entories:
AICS		: not determined		
DSL		: not determined		
IECS	C	: not determined		

#### **SECTION 16. OTHER INFORMATION**



#### Full text of other abbreviations

according to the OSHA Hazard Communication Standard



### Cypermethrin Liquid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/16/2024
1.7	06/26/2024	10849160-00008	Date of first issue: 09/12/2022
US WI ACGII ACGII NIOSI NIOSI OSHA OSHA	I REL CARC	<ul> <li>USA. NIOSH R</li> <li>OSHA Specification</li> <li>USA. Workplact</li> <li>8-hour, time-weet</li> <li>Short-term exponent</li> <li>Time-weighted workday during</li> <li>Ceiling value not</li> </ul>	5 5

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals: OECD - Organization for Economic Co-operation and Development: OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

Revision Date : 06/26/2024



according to the OSHA Hazard Communication Standard

### Cypermethrin Liquid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/16/2024
1.7	06/26/2024	10849160-00008	Date of first issue: 09/12/2022

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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