



Version	Revision Date: 2023/11/03	SDS Number:	Date of last issue: 2023/09/30
4.0		10215166-00007	Date of first issue: 2021/11/10

### **1. PRODUCT AND COMPANY IDENTIFICATION**

Chemical product name	:	Deltamethrin (1.05%) Formulation
Supplier's company name, ad Company name of supplier		<b>ess and phone number</b> MSD
Address	:	Kumagaya, Saitama Prefecture , Xicheng 810 MSD Co., Ltd. Menuma factory
Telephone	:	048-588-8411
E-mail address	:	EHSDATASTEWARD@msd.com
Emergency telephone number	:	+1-908-423-6000

### Recommended use of the chemical and restrictions on use

Recommended use	:	Veterinary product
Restrictions on use	:	Not applicable

### 2. HAZARDS IDENTIFICATION

GHS classification of chemic Skin sensitisation	GHS classification of chemical product Skin sensitisation : Category 1					
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Central nervous system, Immune system)				
Specific target organ toxicity - repeated exposure (Inhalation)	:	Category 2 (Central nervous system)				
Short-term (acute) aquatic hazard	:	Category 1				
Long-term (chronic) aquatic hazard	:	Category 1				
GHS label elements						
Hazard pictograms	:					
Signal word	:	Warning				
Hazard statements	:	H317 May cause an allergic skin reaction.				





Version 4.0	Revision Date: 2023/11/03	SDS Number: 10215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
		Immune system swallowed. H373 May cause through prolonge	e damage to organs (Central nervous system, ) through prolonged or repeated exposure if e damage to organs (Central nervous system) ed or repeated exposure if inhaled. to aquatic life with long lasting effects.
Pre	ecautionary statements	P272 Contamination the workplace.	eathe mist or vapours. ated work clothing should not be allowed out of ase to the environment. ective gloves.
		P314 Get medic P333 + P313 If s vice/ attention.	ON SKIN: Wash with plenty of water. al advice/ attention if you feel unwell. skin irritation or rash occurs: Get medical ad- ke off contaminated clothing and wash it before Illage.
		<b>Disposal:</b> P501 Dispose o disposal plant.	f contents/ container to an approved waste
Ot	her hazards which do not	result in classificati	on
line	portant symptoms and out- es of the emergency as- med	on the face and lesions and are Dust contact wit Contact with dus the skin.	ations may occur, such as burning or stinging mucosae. However, these sensations cause no of a transitory nature (max. 24 hours). h the eyes can lead to mechanical irritation. at can cause mechanical irritation or drying of sive dust-air mixture during processing, han- eans.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
deltamethrin (ISO)	52918-63-5	>= 1 - < 2.5	

### 4. FIRST AID MEASURES

General advice

: In the case of accident or if you feel unwell, seek medical advice immediately.

When symptoms persist or in all cases of doubt seek medical



/ersion I.0	Revision Date: 2023/11/03		0S Number: 215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10	
			advice.		
If inh	aled	:	If inhaled, remov Get medical atter		
In ca	se of skin contact	:	In case of contact of water. Remove contami Get medical atten Wash clothing be	et, immediately flush skin with soap and plent inated clothing and shoes. ntion.	
In ca	se of eye contact	:	If in eyes, rinse v		
lf swa	allowed	:	If swallowed, DO Get medical atter	NOT induce vomiting.	
Most important symptoms and effects, both acute and delayed		:	<ul> <li>Rinse mouth thoroughly with water.</li> <li>May cause an allergic skin reaction. May cause damage to organs through prolonged or repeate exposure if swallowed. May cause damage to organs through prolonged or repeate exposure if inhaled. Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. This product contains a pyrethroid. Pyrethroid poisoning should not be confused with carbamate</li> </ul>		
	ection of first-aiders	:	<ul> <li>or organophosphate poisoning.</li> <li>First Aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists (see section 8).</li> </ul>		
	s to physician GHTING MEASURES	:	Treat symptomat	ically and supportively.	
	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide ( Dry chemical		
Unsu medi	itable extinguishing	:	None known.		
	ific hazards during fire-	:		m explosive mixtures with air. bustion products may be a hazard to health.	
Haza ucts	rdous combustion prod-	:	Carbon oxides Nitrogen oxides ( Bromine compou		
Spec ods	ific extinguishing meth-	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. aged containers from fire area if it is safe to d	
			Evacuate area.		



Version 4.0	Revision Date: 2023/11/03		0S Number: 215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
	fighters			otective equipment.
6. ACCIDE	NTAL RELEASE MEAS	SUF	RES	
tive ec	nal precautions, protec- quipment and emer- procedures	:	Follow safe han	otective equipment. dling advice (see section 7) and personal pro- nt recommendations (see section 8).
Enviro	onmental precautions	:	Prevent further I Prevent spreadi barriers). Retain and disp	the environment. eakage or spillage if safe to do so. ng over a wide area (e.g. by containment or o ose of contaminated wash water. s should be advised if significant spillages ined.
	ds and materials for nment and cleaning up	:	Avoid dispersal with compressed Dust deposits sl es, as these ma leased into the a For large spills, ment to keep ma be pumped, stor Clean up remain bent. Local or nationa posal of this ma employed in the mine which regu	ert absorbent material. of dust in the air (i.e., clearing dust surfaces d air). nould not be allowed to accumulate on surface y form an explosive mixture if they are re- atmosphere in sufficient concentration. provide dyking or other appropriate contain- aterial from spreading. If dyked material can re recovered material in appropriate containen- ning materials from spill with suitable absor- l regulations may apply to releases and dis- terial, as well as those materials and items cleanup of releases. You will need to deter- ilations are applicable. 15 of this SDS provide information regarding mational requirements.

### 7. HANDLING AND STORAGE

Handling		
Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe mist or vapours. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment





Version 4.0	Revision Date: 2023/11/03	SDS Number: 10215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
	lance of contact ene measures	Keep contain Keep away fr Take precaut Do not eat, du Take care to environment. Oxidizing age If exposure to flushing syste place. When using of Contaminated workplace. Wash contam The effective engineering of appropriate d industrial hyg	t generation and accumulation. er closed when not in use. om heat and sources of ignition. ionary measures against static discharges. rink or smoke when using this product. prevent spills, waste and minimize release to the ents o chemical is likely during typical use, provide eye ems and safety showers close to the working do not eat, drink or smoke. d work clothing should not be allowed out of the hinated clothing before re-use. operation of a facility should include review of controls, proper personal protective equipment, egowning and decontamination procedures, iene monitoring, medical surveillance and the strative controls.
	<b>age</b> litions for safe storage rials to avoid	Store in acco	
Pack	aging material	: Unsuitable m	aterial: None known.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Threshold limit value and permissible exposure limits for each component in the work environment

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Reference concentration / Permissible con- centration	Basis
deltamethrin (ISO)	52918-63-5	TWA	15 µg/m3 (OEB 3)	Internal
	Further information: DSEN, Skin			
		Wipe limit	100 µg/100 cm²	Internal

Engineering measures	<ul> <li>Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections).</li> <li>All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.</li> <li>Containment technologies suitable for controlling compounds are provided at a provided at at a provided at a</li></ul>
	are required to control at source and to prevent migration of





Version 4.0	Revision Date: 2023/11/03		9S Number: 215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
			the compound to tainment devices Minimize open ha	
Pers	onal protective equipn	nent		
Resp F	biratory protection ilter type d protection	:	sure assessment ommended guide	exhaust ventilation is not available or expo- demonstrates exposures outside the rec- elines, use respiratory protection. ulates and organic vapour type
Μ	laterial	:	Chemical-resista	nt gloves
Eye	emarks protection	:	If the work enviro mists or aerosols Wear a faceshiel potential for direc aerosols.	ses with side shields or goggles. onment or activity involves dusty conditions, a, wear the appropriate goggles. d or other full face protection if there is a ct contact to the face with dusts, mists, or
Skin	and body protection	:	task being perfor posable suits) to	parments should be used based upon the med (e.g., sleevelets, apron, gauntlets, dis- avoid exposed skin surfaces. degowning techniques to remove potentially
9. PHYSI	CAL AND CHEMICAL F	PROF	PERTIES	
Phys	sical state	:	liquid	
Colo	ur	:	Colorless to pale	e yellow
Odou	ır	:	No data availabl	е
Odou	ur Threshold	:	No data availabl	е
Melti	ng point/freezing point	:	No data availabl	е
	ng point, initial boiling and boiling range	:	> 150 °C	
Flam	mability (solid, gas)	:	May form explosed dling or other me	sive dust-air mixture during processing, han- eans.

- Flammability (liquids) : Ignitable (see flash point)
- Lower explosion limit and upper explosion limit / flammability limit Upper explosion limit / Up- : No data available per flammability limit
  - Lower explosion limit / : No data available

### SAFETY DATA SHEET



# Deltamethrin (1.05%) Formulation

Versio 4.0	on	Revision Date: 2023/11/03		S Number: 215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
	Low	ver flammability limit			
F	Flash p	point	:	> 93 °C	
Γ	Decom	position temperature	:	No data available	3
F	pН		:	No data available	)
E	Evapor	ation rate	:	No data available	9
ŀ	Auto-ig	nition temperature	:	No data available	)
١	Viscosi Visc	ty cosity, kinematic	:	No data available	9
S	Solubili Wat	ity(ies) er solubility	:	No data available	)
	Partitio octanol	n coefficient: n- /water	:	Not applicable	
١	Vapour	pressure	:	No data available	)
[		v and / or relative densi ative density	ty :	0.945 - 0.955 (20	°C)
	Den	sity	:	No data available	)
F	Relativ	e vapour density	:	No data available	
E	Explosi	ve properties	:	Not explosive	
(	Oxidiziı	ng properties	:	The substance o	r mixture is not classified as oxidizing.
Ν	Molecu	lar weight	:	No data available	)
F		e characteristics ticle size	:	Not applicable	

### 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Vapours may form explosive mixture with air. May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks.





rsion	Revision Date: 2023/11/03		S Number: 215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
	npatible materials rdous decomposition cts	:	Avoid dust form Oxidizing agent No hazardous d	
ΤΟΧΙΟ	OLOGICAL INFORMAT	101	N	
Inform expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity assified based on availa	ble	information.	
<u>Produ</u> Acute	uct: oral toxicity	:	Acute toxicity es Method: Calcula	imate: > 2,000 mg/kg ion method
Acute inhalation toxicity		:	Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method	
<u>Comp</u>	oonents:			
delta	methrin (ISO):			
Acute	oral toxicity	:	LD50 (Rat): 66.7	mg/kg
			LD50 (Rat): 9 - 1	39 mg/kg
			LD50 (Mouse): 1	9 - 34 mg/kg
Acute	inhalation toxicity	:	: LC50 (Rat): 0.8 mg/l Exposure time: 2 h Test atmosphere: dust/mist	
Acute	dermal toxicity	:	LD50 (Rabbit): 2	,000 mg/kg
			LD50 (Rat): > 80	0 mg/kg
	toxicity (other routes of histration)	:	LD50 (Rat): 2.5 r Application Rout	
			LD50 (Mouse): 1 Application Rout	0 mg/kg e: Intraperitoneal

Not classified based on available information.





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Version 4.0	Revision Date: 2023/11/03	SDS Number: 10215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10	
<u>Com</u>	ponents:			
	methrin (ISO):			
Spec Resu		: Rabbit : No skin irritation	n	
	ous eye damage/eye i lassified based on ava			
	ponents:			
	methrin (ISO):			
Spec	ies	: Rabbit		
Resu	lt	: Moderate eye i	rritation	
Resp	piratory or skin sensit	isation		
Skin	sensitisation			
May	cause an allergic skin r	eaction.		
-	<b>piratory sensitisation</b> lassified based on ava	ilable information		
	ponents:			
	methrin (ISO):			
Test		: Maximisation T	est	
Expo Spec	sure routes ies	: Dermal : Guinea pig		
Resu		: negative		
Test	Type sure routes	: Human repeat	nsult patch test (HRIPT)	
Expo Spec		: Dermal : Humans		
Resu		: positive		
Gern	n cell mutagenicity			
	lassified based on ava	ilable information.		
<u>Com</u>	ponents:			
delta	methrin (ISO):			
Geno	otoxicity in vitro	: Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e	
		Test Type: DN/		
		Test system: Est Result: negative		
		Test Type: Chr	omosomal aberration	
			hinese hamster ovary cells	
		riooun. noguliv	-	





ersion 0	Revision Date: 2023/11/03	SDS Number: 10215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
		Test system: C	tro mammalian cell gene mutation test hinese hamster lung cells LOAEL: 20 mg/kg
Geno	toxicity in vivo	: Test Type: Micr Species: Mouse Application Rou Result: negative	e ite: Oral
		Test Type: dom Species: Mouse Application Rou Result: negative	ite: Oral
		Test Type: siste Species: Mouse Cell type: Bone Application Rou Result: negative	marrow ite: Oral
II Carci	inogenicity		
	lassified based on ava ponents:	ailable information.	
-	methrin (ISO):		
Speci Applid Expos NOAI LOAE Resu	ies cation Route sure time EL EL	<ul> <li>Mouse, male ar</li> <li>oral (feed)</li> <li>104 weeks</li> <li>8 mg/kg body w</li> <li>4 mg/kg body w</li> <li>positive</li> <li>Lymph nodes</li> </ul>	veight
Speci Applie	ies cation Route sure time	: Rat, male and f : oral (feed) : 2 Years : negative	emale
Speci	ies cation Route sure time	: Dog, male and : oral (feed) : 2 Years : 1 mg/kg body w	

Not classified based on available information.



ersion )	Revision Date: 2023/11/03	SDS Number: 10215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
Comr	oonents:		
	methrin (ISO):		
	is on fertility	Species: Rat Application Rou Early Embryonic weight Symptoms: No Remarks: Signif Test Type: Two Species: Rat Application Rou Early Embryonic weight Symptoms: No Test Type: Ferti	c Development: NOAEL: 50 mg/kg body effects on fertility, Embryo-foetal toxicity ficant toxicity observed in testing -generation reproduction toxicity study te: Oral c Development: LOAEL: 84 - 149 mg/kg body effects on fertility, Embryo-foetal toxicity lity
		Symptoms: Effe Target Organs:	te: Oral : 1 mg/kg body weight ccts on fertility Testes
Effect ment	s on foetal develop-	Developmental Result: Skeletal	te: oral (gavage) Toxicity: LOAEL: 1 mg/kg body weight
		Developmental	
Repro sessm	oductive toxicity - As- nent		of adverse effects on sexual function and on development, based on animal experiments

### STOT - single exposure

Not classified based on available information.



ersion D	Revision Date: 2023/11/03	SDS Number: 10215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
<u>Com</u>	ponents:		
delta	methrin (ISO):		
Asses		: May cause respira	atory irritation.
May o repea	ated exposure if swallc cause damage to orga	ns (Central nervous syste	em, Immune system) through prolonged o
<u>Com</u>	ponents:		
delta	methrin (ISO):		
Targe	sure routes et Organs ssment		ystem, Immune system o organs through prolonged or repeated
Targe	sure routes et Organs ssment	<ul> <li>inhalation (dust/mi</li> <li>Central nervous sy</li> <li>Causes damage to exposure.</li> </ul>	
	ated dose toxicity		
delta	methrin (ISO):		
Expo	EL EL cation Route sure time et Organs	: Rat, male and fem : 1 mg/kg : 2.5 mg/kg : Oral : 13 Weeks : Nervous system : hyperexcitability	nale
Speci LOAE Applic Expos Symp	EL cation Route sure time	: Rat : 3 mg/m3 : inhalation (dust/mi : 2 wk / 5 d/wk / 6 h : Local irritation, res	
Expo Targe	EL	<ul> <li>Dog</li> <li>0.1 mg/kg</li> <li>1 mg/kg</li> <li>Oral</li> <li>13 Weeks</li> <li>Nervous system</li> <li>Dilatation of the pution</li> </ul>	upil, Vomiting, Tremors, Diarrhoea, Saliva





Version 4.0	Revision Date: 2023/11/03	SDS Number: 10215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
Expo	EL	: Rat : 14 mg/kg : 54 mg/kg : Oral : 91 d : Nervous syste	m
Expo	EL cation Route sure time et Organs	: Mouse : 6 mg/kg : Oral : 12 Weeks : Immune syste : immune syste	
Not c	r <mark>ation toxicity</mark> lassified based on ava <b>rience with human e</b>		
Com	ponents:		
<b>delta</b> Inhala	<b>methrin (ISO):</b> ation		spiratory tract irritation, Dizziness, Sweating,
			ausea, Vomiting, anorexia, Fatigue, tingling, urred vision, muscle twitching
Skin	contact	sea, Vomiting	kin irritation, Erythema, pruritis, Headache, Nau- , Dizziness, tingling, Sweating, muscle twitching, , Fatigue, anorexia, Allergic reactions
Inges	tion	: Symptoms: m	uscle pain, Small pupils
		ON	
Ecot	oxicity		
	ponents:		
delta	methrin (ISO):		

Ī	oxicity to fish	:	LC50 (Cyprinodon variegatus (sheepshead minnow)): 0.00048 mg/l Exposure time: 96 h
			LC50 (Oncorhynchus mykiss (rainbow trout)): 0.00039 mg/l Exposure time: 96 h
Т а	oxicity to daphnia and other quatic invertebrates	:	EC50 (Mysidopsis bahia (opossum shrimp)): 0.0037 μg/l Exposure time: 48 h
			EC50 (Daphnia magna (Water flea)): 0.0035 mg/l Exposure time: 48 h





ersion D	Revision Date: 2023/11/03		9S Number: 215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
			LC50 (Gammarus Exposure time: 96	s fasciatus (freshwater shrimp)): 0.0003 μg δ h
Toxici <sup>:</sup> plants	ty to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T	
	tor (Acute aquatic tox-	:	1,000,000	
icity) Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Pimephal mg/l Exposure time: 36	es promelas (fathead minnow)): 0.000022 6 d
			NOEC (Pimephal mg/l Exposure time: 20	es promelas (fathead minnow)): 0.000017 60 d
aquati	ty to daphnia and other c invertebrates (Chron-	:	NOEC (Daphnia i Exposure time: 2	nagna (Water flea)): 0.0041 µg/l I d
ic toxic M-Fac toxicity	tor (Chronic aquatic	:	1,000,000	
Persis	stence and degradabili	ity		
<u>Comp</u>	onents:			
	<b>nethrin (ISO):</b> ty in water	:	Hydrolysis: 0 %(3	0 d)
Bioac	cumulative potential			
<u>Comp</u>	onents:			
deltar	nethrin (ISO):			
Bioaco	cumulation	:		macrochirus (Bluegill sunfish) factor (BCF): 1,800
	on coefficient: n- bl/water	:	log Pow: 4.6	
Mobil	ity in soil			
<u>Comp</u>	onents:			
Distrib	nethrin (ISO): ution among environ- I compartments	:	log Koc: 7.2	
Hazar	dous to the ozone laye	er		



ersion	Revision Date: 2023/11/03		S Number: 215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10
Other	adverse effects			
	a available			
3. DISPOS	SAL CONSIDERATION	NS		
-	al methods			
Waste	from residues	:		cordance with local regulations.
Contan	ninated packaging	:	Empty container dling site for rec	of waste into sewer. s should be taken to an approved waste han ycling or disposal. specified: Dispose of as unused product.
4. TRANS	PORT INFORMATION	I		
Interna	ational Regulations			
UNRTI	DG			
UN nur	-	:	UN 3082	
Proper	shipping name	:	ENVIRONMENT N.O.S. (deltamethrin (I	TALLY HAZARDOUS SUBSTANCE, LIQUID
Class		:	9	
Packin Labels	g group	÷	 9	
	nmentally hazardous	÷	9 yes	
IATA-E	-	•	,	
UN/ID		•	UN 3082	
	shipping name	:		hazardous substance, liquid, n.o.s. SO))
Class		:	9	
Labels	g group	÷	III Miscellaneous	
	g instruction (cargo	:	964	
Packin ger airc	g instruction (passen- craft)	:	964	
Enviror	nmentally hazardous	:	yes	
IMDG-	Code			
UN nur Proper	nber shipping name	:	UN 3082 ENVIRONMENT N.O.S. (deltamethrin (IS	ALLY HAZARDOUS SUBSTANCE, LIQUID
Class		:	9	
	g group	:		
Labels	ada	:	9 E A S E	
EmS C Marine	ode pollutant	•	F-A, S-F yes	
		•		POL 72/78 and the IBC Cade

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.



Version	Revision Date:	SDS Number:	Da
4.0	2023/11/03	10215166-00007	Da

Date of last issue: 2023/09/30 Date of first issue: 2021/11/10

### National Regulations

Refer to section 15 for specific national regulation.

#### Special precautions for user

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.

#### **ERG Code** : 171

### **15. REGULATORY INFORMATION**

#### **Related Regulations**

#### Fire Service Law

Group 4, Type 3 petroleums, Water insoluble liquid, (2000 litre), Hazardous rank III

#### **Chemical Substance Control Law**

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

#### Industrial Safety and Health Law

### Harmful Substances Prohibited from Manufacture

Not applicable

### Harmful Substances Required Permission for Manufacture

Not applicable

### **Substances Prevented From Impairment of Health**

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

# Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

### Substances Subject to be Notified Names

Not applicable

### Substances Subject to be Indicated Names

Not applicable

### Substances Subject to be Indicated Names

Not applicable

### Carcinogenic Substances (Article 577-2 of the Occupational Health and Safety Regulations)

Not applicable



Version

4.0



Date of last issue: 2023/09/30

Date of first issue: 2021/11/10

### Deltamethrin (1.05%) Formulation

SDS Number:

10215166-00007

Revision Date:

2023/11/03

Ordinance on Preven	ntion of Hazards Due to Specified Chemical Substances
Ordinance on Preven	ntion of Lead Poisoning
Ordinance on Preven Not applicable	ntion of Tetraalkyl Lead Poisoning
Ordinance on Preven	ntion of Organic Solvent Poisoning
	of the Industrial Safety and Health Law - Attached table 1 (Dangero
	terious Substances Control Law
	e, etc. of Release Amounts of Specific Chemical Substances in the lanction of Improvements to the Management Thereof
High Pressure Gas S	Safety Act
Not applicable	-
Explosive Control La	aw
Not applicable	
Vessel Safety Law	
Miscellaneous danger	rous substances and articles (Article 2 and 3 of rules on shipping and sto ods and its Attached Table 1)
Aviation Law	
Miscellaneous danger tion Law and its Attac	rous substances and articles (Article 194 of The Enforcement Rules of A hed Table 1)
Marine Pollution and	d Sea Disaster Prevention etc Law
Bulk transportation	: Not classified as noxious liquid substance
Pack transportation	: Classified as marine pollutant
·	notropics Control Act
-	pic Raw Material (Export / Import Permission)
Not applicable	sychotropic Raw Material (Export / Import permission)
Waste Disposal and Industrial waste	Public Cleansing Law
The components of	this product are reported in the following inventories:
AICS	: not determined
DSL	: not determined



Version 4.0	Revision Date: 2023/11/03		DS Number: 0215166-00007	Date of last issue: 2023/09/30 Date of first issue: 2021/11/10	
IECS	SC		not determined		
16. OTHER INFORMATION					
Furt	her information				
Sources of key data used to : compile the 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/		

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : yyyy/mm/dd

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System





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