

Version 2.3	Revision Date: 28.09.2024		S Number: 30557-00009	Date of last issue: 03.11.2023 Date of first issue: 13.01.2021			
SECTION	SECTION 1. IDENTIFICATION						
Produ	Product name		Deltamethrin (3%) Formulation				
Manu	facturer or supplier's	s deta	ils				
Comp	Company		MSD				
Address		:	Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP				
Telep	Telephone		908-740-4000				
Emer	Emergency telephone		1-908-423-6000				
E-ma	E-mail address		EHSDATASTEWARD@msd.com				
Reco	mmended use of the	chem	ical and restriction	ons on use			
Recommended use Restrictions on use		:	Veterinary product Not applicable				

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification		
Flammable liquids	:	Category 3
Acute toxicity (Oral)	:	Category 4
Acute toxicity (Inhalation)	:	Category 5
Acute toxicity (Dermal)	:	Category 5
Skin corrosion/irritation	:	Category 2
Serious eye damage/eye irritation	:	Category 1
Skin sensitization	:	Category 1
Skin sensitization Reproductive toxicity	:	Category 1 Category 2
	-	Category 2
Reproductive toxicity Specific target organ toxicity -	:	Category 2 Category 3
Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity -	:	Category 2 Category 3 Category 2



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haz	zard		
	ng-term (chronic) aquatic zard	: Category 1	
GH	IS label elements		
Ha	zard pictograms		
Sig	nal Word	: Danger	
Ha	zard Statements	H302 Harmful ii H304 May be fa H313 + H333 M H315 Causes s H317 May cause H318 Causes s H335 May cause H361fd Suspec ing the unborn of H373 May cause peated exposur	atal if swallowed and enters airways. lay be harmful in contact with skin or if inhaled. kin irritation. e an allergic skin reaction. erious eye damage. te respiratory irritation. ted of damaging fertility. Suspected of damag- child. te damage to organs through prolonged or re-
Pre	ecautionary Statements	P202 Do not ha and understood P210 Keep awa and other ignitio P260 Do not br P264 Wash skin P270 Do not ea P271 Use only P272 Contamin the workplace. P273 Avoid rele	ay from heat, hot surfaces, sparks, open flames on sources. No smoking. eathe mist or vapors. In thoroughly after handling. It, drink or smoke when using this product. outdoors or in a well-ventilated area. ated work clothing should not be allowed out of ease to the environment. tective gloves/ protective clothing/ eye protec-
		Response: P301 + P310 IF CENTER/ doctor P303 + P361 + Iy all contaminar P304 + P340 + and keep comford doctor if you feet P305 + P351 +	SWALLOWED: Immediately call a POISON or. P353 IF ON SKIN (or hair): Take off immediate- ted clothing. Rinse skin with water. P312 IF INHALED: Remove person to fresh air ortable for breathing. Call a POISON CENTER/



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		CENTER/ doc P312 Call a P P331 Do NOT P333 + P313 vice/ attention P362 + P364 reuse.	and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. P312 Call a POISON CENTER/ doctor if you feel unwell. P331 Do NOT induce vomiting. P333 + P313 If skin irritation or rash occurs: Get medical ad- vice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage.				
		Storage: P405 Store loo	cked up.				
		Disposal:	of contents/ container to an approved waste				
Othe	r hazards which do I	not result in classifica					

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours). Vapors may form explosive mixture with air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

: Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Xylene	1330-20-7	>= 70 -< 90
Calcium dodecylbenzenesulphonate	26264-06-2	>= 5 -< 10
Nonylphenol, ethoxylated	9016-45-9	>= 5 -< 10
Deltamethrin (ISO)	52918-63-5	>= 3 -< 5
2,6-Di-tert-butyl-p-cresol	128-37-0	>= 1 -< 2,5

SECTION 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 advice.
If inhaled	: If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	 In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	 In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
If swallowed	: If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward.



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and e delay	important symptoms effects, both acute and red	Rinse mouth th Never give any Harmful if swal May be fatal if May be harmfu Causes skin irr May cause serious May cause res Suspected of d unborn child. May cause dan exposure. This product co Pyrethroid pois or organophos First Aid respon and use the rec	swallowed and enters airways. I in contact with skin or if inhaled. itation. allergic skin reaction.		
	s to physician		atically and supportively.		
SECTION	5. FIRE-FIGHTING ME	ASURES			
Suita	ble extinguishing media	Alcohol-resista	Alcohol-resistant foam Carbon dioxide (CO2)		

		Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Bromine compounds Metal oxides Sulfur compounds
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.

SAFETY DATA SHEET



Deltamethrin (3%) Formulation

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SECTION	I 6. ACCIDENTAL RELE	AS	E MEASURES			
Personal precautions, protec- : tive equipment and emer- gency procedures		:	Follow safe hand	ces of ignition. otective equipment. dling advice (see section 7) and personal ment 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 ine Suppress (knock jet. For large spills, p containment to k can be pumped, container. Clean up remain absorbent. Local or national disposal of this n employed in the determine which Sections 13 and	 bls should be used. ert absorbent material. k down) gases/vapors/mists with a water spray provide diking or other appropriate seep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable I regulations may apply to releases and material, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding ational requirements. 		

SECTION 7. HANDLING AND STORAGE

Technical measures	CC : If s ver	e Engineering measures under EXPOSURE ONTROLS/PERSONAL PROTECTION section. ufficient ventilation is unavailable, use with local exhaust ntilation. e explosion-proof electrical, ventilating and lighting equip- ent.
Advice on safe handling	Do Do Wa Ha pra ass No Ke Alr to a	not get on skin or clothing. not breathe mist or vapors. not swallow. not get in eyes. ash skin thoroughly after handling. ndle in accordance with good industrial hygiene and safety actice, based on the results of the workplace exposure sessment n-sparking tools should be used. ep container tightly closed. eady sensitized individuals, and those susceptible asthma, allergies, chronic or recurrent respiratory disease, puld consult their physician regarding working with



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		respiratory irritants or sensitizers. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.				
Conditions for safe storage		 Keep in properly labeled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition. 				
Materials to avoid		: Do not store wit Strong oxidizing Self-reactive su Organic peroxic Flammable solid Pyrophoric liqui Pyrophoric solid Self-heating sub Substances and flammable gase Explosives Gases	th the following product types: g agents bstances and mixtures des ds ds ds ostances and mixtures d mixtures which in contact with water emit			

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis			
		exposure)	concentration				
Xylene	1330-20-7	CMP	100 ppm	AR OEL			
	Further inform	nation: A4 - Not c	lassifiable as a huma	n carcinogen			
		CMP - CPT	150 ppm	AR OEL			
	Further inform	nation: A4 - Not c	lassifiable as a huma	n carcinogen			
		TWA	20 ppm	ACGIH			
Deltamethrin (ISO)	52918-63-5	TWA	15 µg/m3 (OEB 3)	Internal			
	Further inform	nation: DSEN, Sk	in				
		Wipe limit	100 µg/100 cm ²	Internal			
2,6-Di-tert-butyl-p-cresol	128-37-0	CMP (Va- pour and aerosol, in-	2 mg/m³	AR OEL			
		halable frac- tion)					
	Further inform	Further information: A4 - Not classifiable as a human carcinogen					
		TWA (Inhalable	2 mg/m ³	ACGIH			
		fraction and vapor)					



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Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis	
Kylene	1330-20-7	methyl hippuric acids	Urine	End of shift	1.5 g/g creatinine	AR BEI	
		Methylhippu ric acids	Urine	End of shift (As soon as possible after exposure ceases)	0.3 g/g creatinine	ACGIH BEI	
Engineering measures	tec les All des pro Co are the cor	e appropriate e hnologies to co s quick connect engineering co sign and opera tect products, ntainment tech required to co compound to ntainment devin imize open ha	ontrol airborn ctions). ontrols shoul ited in accorn workers, an inologies sub ontrol at sour uncontrollec ces).	ne concentr ld be impler dance with d the enviro itable for co rce and to p	ations (e.g., d nented by faci GMP principle onment. ntrolling comp revent migrati	rip- lity es to pounds	
Personal protective equ	equ	e explosion-pro uipment.	oof electrica	l, ventilating	and lighting		
Respiratory protection	: If a exp	dequate local oosure assessi ommended gu	ment demon	strates exp	osures outside	e the	
Filter type Hand protection		mbined particu					
Material	: Ch	emical-resistar	nt gloves				
Remarks	flar	nsider double nmable, which tection.	0 0				
Eye protection	: We If th mis We pot	ear safety glass ne work enviro sts or aerosols ear a faceshield ential for direc rosols.	nment or ac , wear the ap d or other ful	tivity involve opropriate g Il face prote	es dusty condi oggles. ction if there is	sa	
Skin and body protection	Ade tas dis Use	rk uniform or l ditional body g k being perforr posable suits) e appropriate o ntaminated clo	arments sho med (e.g., sl to avoid exp degowning te	ould be used eevelets, ap oosed skin s	oron, gauntlets surfaces.	З,	
Hygiene measures	: If e	If exposure to chemical is likely during typical use, provide					



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			Contaminated wo workplace. Wash contaminat The effective ope engineering contr appropriate dego	ot eat, drink or smoke. In the should not be allowed out of the red clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, whing and decontamination procedures, e monitoring, medical surveillance and the tive controls.
	ON 9. PHYSICAL AND CHE	EMIC		S
	pearance	:	liquid	
Co		•	yellow	
Od	or	:	No data available	9
Od	lor Threshold	:	No data available	e
рH		:	4 - 5	
Me	Iting point/freezing point	:	No data available	Э
	ial boiling point and boiling nge	:	No data available	9
Fla	ash point	:	45 - 51 °C	
Ev	aporation rate	:	No data available	e
Fla	ammability (solid, gas)	:	Not applicable	
Fla	ammability (liquids)	:	No data available	9
	per explosion limit / Upper mmability limit	:	No data available	e

flammability limit No data available Vapor pressure : Relative vapor density No data available : Relative density No data available 2 Density No data available 2 Solubility(ies) Water solubility soluble : Partition coefficient: n-Not applicable :

Lower explosion limit / Lower :

No data available



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Aut	anol/water oignition temperature composition temperature	:	No data available	
Vise	cosity Viscosity, kinematic blosive properties		No data available	
	dizing properties lecular weight	:	The substance o No data available	r mixture is not classified as oxidizing.
	ticle characteristics ticle size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	Heat, flames and sparks. Oxidizing agents No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes o exposure	f:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity Harmful if swallowed. May be harmful in contact wit	th sk	in or if inhaled.
Product:		
Acute oral toxicity	:	Acute toxicity estimate: 993,39 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 25 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: 3.060 mg/kg Method: Calculation method



/ersi 2.3	ion	Revision Date: 28.09.2024		9S Number: 30557-00009	Date of last issue: 03.11.2023 Date of first issue: 13.01.2021
9	Compo	onents:			
	Xylene Acute c	: oral toxicity	:	LD50 (Rat): 3.523 Method: Directive	- mg/kg 67/548/EEC, Annex V, B.1.
,	Acute i	nhalation toxicity	:	LC50 (Rat): 27,57 Exposure time: 4 Test atmosphere:	h
	Acute c	dermal toxicity	:	LD50 (Rabbit): > 4	4.200 mg/kg
(Calciu	m dodecylbenzenesu	lpho	onate:	
1	Acute c	bral toxicity	:	LD50 (Rat): > 500 Method: OECD Te Remarks: Based o	
	Acute c	dermal toxicity	:	LD50 (Rabbit): > 2 Method: OECD Te Remarks: Based o	
I	Nonylp	ohenol, ethoxylated:			
	Acute c	oral toxicity	:	LD50 (Rat): 500 -	2.000 mg/kg
I	Deltam	ethrin (ISO):			
1	Acute c	oral toxicity	:	LD50 (Rat): 66,7 r	ng/kg
				LD50 (Rat): 9 - 13	39 mg/kg
				LD50 (Mouse): 19) - 34 mg/kg
	Acute i	nhalation toxicity	:	LC50 (Rat): 0,8 m Exposure time: 2 Test atmosphere:	ĥ
	Acute c	dermal toxicity	:	LD50 (Rabbit): 2.0	000 mg/kg
				LD50 (Rat): > 800) mg/kg
		oxicity (other routes of stration)	:	LD50 (Rat): 2,5 m Application Route	
				LD50 (Mouse): 10 Application Route	
:	2,6-Di-1	tert-butyl-p-cresol:			
	Acute c	oral toxicity	:	LD50 (Rat): > 6.00 Method: OECD Te	
	Acute c	dermal toxicity	:	LD50 (Rat): > 2.00 Method: OECD Te Assessment: The	



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		toxicity
Skin	corrosion/irritation	
Caus	es skin irritation.	
<u>Com</u>	oonents:	
Xyler	le:	
Speci		: Rabbit
Resu	lt	: Skin irritation
Calci	um dodecylbenzenesu	Iphonate:
Speci	es	: Rabbit
Metho	bd	: OECD Test Guideline 404
Resu		: Skin irritation
Rema	arks	: Based on data from similar materials
Nony	Iphenol, ethoxylated:	
Speci	es	: Rabbit
Metho		: OECD Test Guideline 404
Resu	lt	: No skin irritation
Delta	methrin (ISO):	
Speci	es	: Rabbit
Resu	lt	: No skin irritation
2,6-D	i-tert-butyl-p-cresol:	
Speci	es	: Rabbit
Metho		: OECD Test Guideline 404
Resu		: No skin irritation
Rema	arks	: Based on data from similar materials
Serio	us eye damage/eye irri	itation
Cause	es serious eye damage.	
<u>Com</u>	oonents:	
Xyler	ie:	
Speci		: Rabbit
Resu	lt	: Irritation to eyes, reversing within 21 days
Calci	um dodecylbenzenesu	Iphonate:
Speci	es	: Rabbit
Resu	lt	: Irreversible effects on the eye
Metho		: OECD Test Guideline 405
Rema	arks	: Based on data from similar materials
Nony	Iphenol, ethoxylated:	
Speci	es	: Rabbit
Resu		: Irreversible effects on the eye
		11/27



Method:: OECD Test Guideline 405Detamethrin (ISO): Becies:: Rabbit ResultMethod:: Rabbit ResultAge of the	Version 2.3	Revision Date: 28.09.2024		9S Number: 30557-00009	Date of last issue: 03.11.2023 Date of first issue: 13.01.2021	
Species : Rabbit Result : Moderate eye irritation 2,6-Di-tert-butyl-p-cresol: : No eye irritation Species : Rabbit Result : No eye irritation Method : OECD Test Guideline 405 Remarks : Based on data from similar materials Skin sensitization May cause an allergic skin reaction. Respiratory or skin sensitization Not classified based on available information. Components: Xylene: Test Type : Local lymph node assay (LLNA) Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: Skin contact Species : Skin contact Species : Guinea pig Method : OECD Test Guideline 406 Result : negative Method : Skin contact Species : Guinea pig Method : Skin contact	Meth	od	:	OECD Test Guid	deline 405	
Result : Moderate eye irritation 2,6-Di-tert-butyl-p-cresol: Species : Rabbit Result : No eye irritation Method : OECD Test Guideline 405 Remarks : Based on data from similar materials Remarks : Based on data from similar materials Respiratory or skin sensitization Skin sensitization May cause an allergic skin reaction. Respiratory sensitization May cause an allergic skin reaction. Respiratory sensitization May cause an allergic skin reaction. Components: Yulene: Test Type : Local lymph node assay (LLNA) Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Method : Negative Result : negative Result : Rest rype : Rest	Delta	amethrin (ISO):				
Result : Moderate eye irritation 2,6-Di-tert-butyl-p-cresol: Species : Rabbit Result : No eye irritation Method : OECD Test Guideline 405 Remarks : Based on data from similar materials Remarks : Based on data from similar materials Respiratory or skin sensitization Skin sensitization May cause an allergic skin reaction. Respiratory sensitization May cause an allergic skin reaction. Respiratory sensitization May cause an allergic skin reaction. Components: Yulene: Test Type : Local lymph node assay (LLNA) Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Method : Negative Result : negative Result : Rest rype : Rest	Spec	ties	:	Rabbit		
Species : Rabbit Result : No eye irritation Method : OECD Test Guideline 405 Remarks : Based on data from similar materials Respiratory or skin sensitization Skin sensitization Skin sensitization May cause an allergic skin reaction. Respiratory sensitization Not classified based on available information. Components: Xylene: Test Type Calcium dodecylbenzenesulphonate: Result Skin contact Species Skin contact Species Method Method Skin contact Species : Guinea pig Method : negative Remarks : Based on data from similar materials Nonylphenol, ethoxylated: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Result </td <td></td> <td></td> <td>:</td> <td>Moderate eye irr</td> <td>ritation</td>			:	Moderate eye irr	ritation	
Result : No eye irritation Method : OCCD Test Guideline 405 Remarks : Based on data from similar materials Respiratory or skin sensitization Skin sensitization May cause an allergic skin reaction. Respiratory sensitization Not classified based on available information. Components: Xylene: Test Type : Local lymph node assay (LLNA) Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Method : OECD Test Guideline 406 Result : negative Routes of exposure : Skin contact Species : Guinea pig Method : oegative Rontylphenol, ethoxylated: : Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Result : negative <tr< td=""><td>2,6-D</td><td>)i-tert-butyl-p-cresol</td><td>:</td><td></td><td></td></tr<>	2,6-D)i-tert-butyl-p-cresol	:			
Method :: OECD Test Guideline 405 Remarks :: Based on data from similar materials Respiratory or skin sensitization Skin sensitization Skin sensitization May cause an allergic skin reaction. Respiratory sensitization Not classified based on available information. Components: Ylene: Test Type :: Local lymph node assay (LLNA) Routes of exposure : Species : Mouse Result : Test Type : Koutes of exposure : Species : Mouse Result Result : Result : Result : Method : Result : Resuit :	Spec	cies	:	Rabbit		
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Skin sensitization May cause an allergic skin reaction. Respiratory sensitization Not classified based on available information. Components: Xylene: Test Type i. Local lymph node assay (LLNA). Routes of exposure i. Mouse Result i. negative Calcium dodecylbenzenesulphonate: Test Type i. Maximization Test Routes of exposure i. Skin contact Species i. Guinea pig Method i. OECD Test Guideline 406 Result i. negative Remarks i. Based on data from similar materials Nonylphenol, ethoxylated: i. Routes of exposure Test Type i. Skin contact Species i. Guinea pig Method i. Degative Remarks i. Based on data from similar materials Nonylphenol, ethoxylated: i. negative Result i. Detrmal	Rem	arks	:	Based on data fi	rom similar materials	
May cause an allergic skin reaction. Respiratory sensitization Not classified based on available information. Components: Xylene: Test Type : Local lymph node assay (LLNA) Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guicne apig Method : OECD Test Guideline 406 Result : negative Remarks : Based on data from similar materials Nonylphenol, ethoxylated: : Test Type : Guinea pig Result : negative Routes of exposure : Skin contact Species : Guinea pig Result : negative Remarks : Based on data from similar materials Detamethrin (ISO): : Test Type : Maximization Test Routes of exposure : Dermal Species : Guinea pig Result : negative <td>Resp</td> <td>piratory or skin sens</td> <td>itizatio</td> <td>n</td> <td></td>	Resp	piratory or skin sens	itizatio	n		
Respiratory sensitization Not classified based on available information. Components: Xylene: Test Type ::::::::::::::::::::::::::::::::::::	-					
Not classified based on available information. Components: Xylene: Test Type ::::::::::::::::::::::::::::::::::::	May	cause an allergic skin	reaction	on.		
Not classified based on available information. Components: Xylene: Test Type ::::::::::::::::::::::::::::::::::::	Resp	piratory sensitization	า			
Xylene: Test Type : Local lymph node assay (LLNA) Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: . Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Method : OECD Test Guideline 406 Result : negative Remarks : Based on data from similar materials Montes of exposure : Skin contact Species : Guinea pig Remarks : Based on data from similar materials Montes of exposure : Skin contact Species : Guinea pig Result : negative Remarks : Based on data from similar materials Detamethrin (ISO): : . Test Type : Maximization Test Routes of exposure : Dermal Species	•	•		information.		
Test Type::Local lymph node assay (LLNA)Routes of exposure::Skin contactSpecies::MouseResult::negativeCalcium dodecylbenzenesulphonate:Test Type::Maximization TestRoutes of exposure::Skin contactSpecies::Guinea pigMethod::OECD Test Guideline 406Result::negativeRemarks::Based on data from similar materialsNonylphenol, ethoxylated:Test Type::Maximization TestRoutes of exposure::Skin contactSpecies::Guinea pigRemarks::Based on data from similar materialsDetamethrin (ISO):Test Type::Mexistion TestRoutes of exposureRoutes of exposure::Based on data from similar materialsDetamethrin (ISO):Test Type::Maximization TestRoutes of exposure::DermalSpecies::Guinea pigResult:Routes of exposure::DermalSpecies::Guinea pigResult:Test Type::Human repeat insult patch test (HRIPT)	Components:					
Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Method : OECD Test Guideline 406 Result : negative Remarks : Based on data from similar materials Nonylphenol, ethoxylated: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Result : negative Result : negative Result : negative Result : negative Remarks : Based on data from similar materials Deltamethrin (ISO): : negative Test Type : Maximization Test Routes of exposure : Dermal Species : <td< td=""><td>Xyle</td><td>ne:</td><td></td><td></td><td></td></td<>	Xyle	ne:				
Routes of exposure : Skin contact Species : Mouse Result : negative Calcium dodecylbenzenesulphonate: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Method : OECD Test Guideline 406 Result : negative Remarks : Based on data from similar materials Nonylphenol, ethoxylated: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Result : negative Result : negative Result : negative Result : negative Remarks : Based on data from similar materials Deltamethrin (ISO): : negative Test Type : Maximization Test Routes of exposure : Dermal Species : <td< td=""><td>Test</td><td>Туре</td><td>:</td><td>Local lymph nod</td><td>le assay (LLNA)</td></td<>	Test	Туре	:	Local lymph nod	le assay (LLNA)	
Result : negative Calcium dodecylbenzenesulphonate: Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Method : OECD Test Guideline 406 Result : negative Remarks : Based on data from similar materials Nonylphenol, ethoxylated: . Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig Result : negative Routes of exposure : Skin contact Species : Guinea pig Result : negative Remarks : Based on data from similar materials Deltamethrin (ISO): . Test Type : Maximization Test Routes of exposure : Dermal Species : Guinea pig Result : Dermal Species : Guinea pig Result : negative Test Type : Guinea pig Result : negative Test Type : Human repeat insult patch test (HRIPT)	Rout	es of exposure	:	Skin contact		
Calcium dodecylbenzenesulphonate:Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigMethod:OECD Test Guideline 406Result:negativeRemarks:Based on data from similar materialsNonylphenol, ethoxylated:Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO):Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Spec	cies	:	: Mouse		
Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigMethod:OECD Test Guideline 406Result:negativeRemarks:Based on data from similar materialsNonylphenol, ethoxylated:Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeResult:negativeResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO)::.Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Resu	ılt	:	negative		
Routes of exposure:Skin contactSpecies:Guinea pigMethod:OECD Test Guideline 406Result:negativeRemarks:Based on data from similar materialsNonylphenol, ethoxylated:Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO)::negativeTest Type:Maximization TestRoutes of exposure:DermalSpecies:DermalSpecies:Guinea pigResult:negativeTest Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Calc	ium dodecylbenzene	esulph	onate:		
Species:Guinea pigMethod:OECD Test Guideline 406Result:negativeRemarks:Based on data from similar materialsNonylphenol, ethoxylated::Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO)::Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Maximization TestSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Test	Туре	:	Maximization Te	est	
Method:OECD Test Guideline 406Result:negativeRemarks:Based on data from similar materialsNonylphenol, ethoxylated::Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO)::Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Maximization TestSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Rout	es of exposure	:	Skin contact		
Result:negativeRemarks:Based on data from similar materialsNonylphenol, ethoxylated:Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO)::Test Type:Maximization TestRoutes of exposure:DermalSpecies:Cuinea pigResult:negativeTest Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)			:			
Remarks:Based on data from similar materialsNonylphenol, ethoxylated:Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO):Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Meth	od	:	OECD Test Guid	deline 406	
Nonylphenol, ethoxylated:Test Type: Maximization TestRoutes of exposure: Skin contactSpecies: Guinea pigResult: negativeRemarks: Based on data from similar materialsDeltamethrin (ISO):Test Type: Maximization TestRoutes of exposure: DermalSpecies: Guinea pigResult: negativeTest Type: Maximization TestRoutes of exposure: DermalSpecies: Guinea pigResult: negativeTest Type: Human repeat insult patch test (HRIPT)			:			
Test Type:Maximization TestRoutes of exposure:Skin contactSpecies:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO):Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Rem	arks	:	Based on data fi	rom similar materials	
Routes of exposure:Skin contactSpecies:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO):Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Nony	vlphenol, ethoxylate	d:			
Species:Guinea pigResult:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO):Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)			:	Maximization Te	est	
Result:negativeRemarks:Based on data from similar materialsDeltamethrin (ISO):Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)			:			
Remarks:Based on data from similar materialsDeltamethrin (ISO):Test Type:Maximization TestRoutes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)			:			
Deltamethrin (ISO):Test Type: Maximization TestRoutes of exposure: DermalSpecies: Guinea pigResult: negativeTest Type: Human repeat insult patch test (HRIPT)			:			
Test Type: Maximization TestRoutes of exposure: DermalSpecies: Guinea pigResult: negativeTest Type: Human repeat insult patch test (HRIPT)	Rem	arks	:	Based on data fi	rom similar materials	
Routes of exposure: DermalSpecies: Guinea pigResult: negativeTest Type: Human repeat insult patch test (HRIPT)	Delta	amethrin (ISO):				
Routes of exposure:DermalSpecies:Guinea pigResult:negativeTest Type:Human repeat insult patch test (HRIPT)	Test	Туре	:	Maximization Te	est	
Result: negativeTest Type: Human repeat insult patch test (HRIPT)	Rout	es of exposure	:			
Test Type : Human repeat insult patch test (HRIPT)	Spec	cies	:	Guinea pig		
	Resu	ılt	:	negative		
Routes of exposure : Dermal			:	•	nsult patch test (HRIPT)	
	Rout	es of exposure	:	Dermal		
				40/07		



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	pecies esult		:	: Humans : positive					
Te R Sj	est Ty	of exposure	:	Human repeat ins Skin contact Humans negative	ult patch test (HRIPT)				
		ell mutagenicity sified based on availa	able	information.					
<u>C</u>	ompo	nents:							
	ylene : Genoto:	xicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)				
				Test Type: Chrom Result: negative	osome aberration test in vitro				
				Test Type: In vitro Result: negative	mammalian cell gene mutation test				
				Test Type: In vitro malian cells Result: negative	sister chromatid exchange assay in mam-				
G	enoto:	xicity in vivo	:	Test Type: Roden Species: Mouse Application Route Result: negative	t dominant lethal test (germ cell) (in vivo) : Skin contact				
C	alciun	n dodecylbenzenesu	lph	onate:					
		xicity in vitro	:	Test Type: Bacter Method: OECD Te Result: negative	ial reverse mutation assay (AMES) est Guideline 471 on data from similar materials				
				Test Type: In vitro Result: negative	o mammalian cell gene mutation test on data from similar materials				
				Method: OECD To Result: negative	nosome aberration test in vitro est Guideline 473 on data from similar materials				
G	Senoto:	xicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Mouse Application Route Result: negative					



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		Remarks: Based on data from similar materials
	ylphenol, ethoxylated: otoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials
Delta	amethrin (ISO):	
Gene	otoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: DNA Repair Test system: Escherichia coli Result: negative
		Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: negative
		Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster lung cells Concentration: LOAEL: 20 mg/kg Result: positive
Gene	otoxicity in vivo	: Test Type: Micronucleus test Species: Mouse Application Route: Oral Result: negative
		Test Type: dominant lethal test Species: Mouse Application Route: Oral Result: negative
		Test Type: sister chromatid exchange assay Species: Mouse Cell type: Bone marrow Application Route: Oral Result: negative
2.6-[Di-tert-butyl-p-cresol:	
	otoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: In vitro mammalian cell gene mutation test Result: negative
		Test Type: Chromosome aberration test in vitro Result: negative
Gen	otoxicity in vivo	: Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Rat
		14/07



sion	Revision Date: 28.09.2024		S Number: 30557-00009	Date of last issue: 03.11.2023 Date of first issue: 13.01.2021
			Application Rout	e: Ingestion
			Result: negative	
Carci	nogenicity			
	assified based on availa	ble	information.	
	oonents:			
Xylen				
Specie		:	Rat	
	ation Route	:	Ingestion	
Expos Result	sure time	:	103 weeks	
Result	t	:	negative	
Deltar	methrin (ISO):			
Specie		:	Mouse, male an	d female
	ation Route	:	oral (feed)	
•	sure time	:	104 weeks	
NOAE		:	8 mg/kg body we	
LOAE		:	4 mg/kg body we	eight
Result		÷	positive	
rarge	t Organs	•	Lymph nodes	
Specie		:	Rat, male and fe	male
	ation Route	:	oral (feed)	
	sure time	:	2 Years	
Result	t	:	negative	
Specie		:	Dog, male and f	emale
	ation Route	:	oral (feed)	
	sure time	:	2 Years	
NOAE		:	1 mg/kg body we	eight
Result	t	:	negative	
2,6-Di	-tert-butyl-p-cresol:			
Specie		:	Rat	
Applic	ation Route	:	Ingestion	
Expos	sure time	:	22 Months	
Result	t	:	negative	
Repro	oductive toxicity			
-	ected of damaging fertilit	v S	uspected of dama	aging the unborn child
	onents:	.y. C		
Xylen Effects	e: s on fertility		Test Type: One-	generation reproduction toxicity study
	e en renancy	•	Species: Rat	generation reproduction toxicity study
				e: inhalation (vapor)
			Result: negative	
Effects	s on fetal development	:	Test Type: Emb	ryo-fetal development
			Species: Rat	- '
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			Application Route Result: negative	: inhalation (vapor)
Calci	ium dodecylbenzenesu	lph	onate:	
Effec	ts on fertility	:	reproduction/deve Species: Rat Application Route Method: OECD T Result: negative	ined repeated dose toxicity study with the elopmental toxicity screening test e: Ingestion est Guideline 422 on data from similar materials
Effec	ts on fetal development	:	reproduction/deve Species: Rat Application Route Method: OECD T Result: negative	ined repeated dose toxicity study with the elopmental toxicity screening test e: Ingestion est Guideline 422 on data from similar materials
Delta	amethrin (ISO):			
Effec	ts on fertility	:	Species: Rat Application Route Early Embryonic weight Symptoms: No ef	-generation reproduction toxicity study e: oral (feed) Development: NOAEL: 50 mg/kg body fects on fertility., Embryo-fetal toxicity. cant toxicity observed in testing
			Species: Rat Application Route Early Embryonic weight Symptoms: No ef Test Type: Fertilit Species: Rat, ma Application Route	Development: LOAEL: 84 - 149 mg/kg body fects on fertility., Embryo-fetal toxicity. y le
F #a a			Symptoms: Effect Target Organs: T	ts on fertility. estes
Ellec	ts on fetal development	:	Result: Skeletal n	e: oral (gavage) oxicity: LOAEL: 1 mg/kg body weight



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		Developmental	
Repro sessn	oductive toxicity - As- nent		e of adverse effects on sexual function and on development, based on animal experiment
	i-tert-butyl-p-cresol: s on fertility	: Test Type: Two Species: Rat Application Rou Result: negativ	
Effect	s on fetal development	: Test Type: Eml Species: Rat Application Rou Result: negativ	
	-single exposure cause respiratory irritatio	n	
-	oonents:		
Xylen Asses	e: ssment	: May cause res	piratory irritation.
	methrin (ISO): ssment	: May cause res	piratory irritation.
	-repeated exposure cause damage to organs	through prolonged	or repeated exposure.
<u>Comp</u>	oonents:		
Targe	e: es of exposure et Organs esment		
	u m dodecylbenzenesu ssment	-	nealth effects observed in animals at concentr J/kg bw or less.
	methrin (ISO): es of exposure	: Ingestion	
Targe	et Organs ssment	: Central nervou	s system, Immune system e to organs through prolonged or repeated



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		exposure.	
Route	es of exposure	: inhalation (dus	t/mist/fume)
	et Organs	: Central nervou	
	ssment		e to organs through prolonged or repeated
		exposure.	
2,6-D	i-tert-butyl-p-cresol:		
Asses	ssment	: No significant h tions of 100 mg	health effects observed in animals at concentra /kg bw or less.
Repe	ated dose toxicity		
Com	ponents:		
Xyler	ne:		
Speci		: Rat	
LOAE		: > 0,2 - 1 mg/l	
	cation Route	: inhalation (vap	or)
	sure time	: 13 Weeks	Z 1 1 1 1 1 1
Rema	arks	: Based on data	from similar materials
Speci		: Rat	
LOAE		: 150 mg/kg	
	cation Route	: Ingestion	
Expo	sure time	: 90 Days	
Calci	um dodecylbenzene	sulphonate:	
Speci	ies	: Rat	
LÒAE		: > 200 mg/kg	
Appli	cation Route	: Ingestion	
Expo	sure time	: 6 - 7 Weeks	
Metho		: OECD Test Gu	
Rema	arks	: Based on data	from similar materials
Speci		: Rabbit	
NOA		: > 100 mg/kg	
	cation Route	: Skin contact	
	sure time	: 28 Days	
Metho		: OECD Test Gu	
Rema	arks	: Based on data	from similar materials
Delta	methrin (ISO):		
Speci		: Rat, male and	emale
NOA		: 1 mg/kg	
LOAE		: 2,5 mg/kg	
	cation Route	: Oral	
	sure time	: 13 Weeks	_
	et Organs	: Nervous syster	
Symp	DIOMS	: hyperexcitabilit	у
Speci	ies	: Rat	



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Ar Ex	DAEL oplication Route posure time mptoms	: 3 mg/m3 : inhalation (du : 2 wk / 5 d/wk : Local irritatior	
N LC Ap Ex Ta	Decies DAEL DAEL oplication Route kposure time arget Organs ymptoms	: Dog : 0,1 mg/kg : 1 mg/kg : Oral : 13 Weeks : Nervous syste : Dilatation of th	em he pupil, Vomiting, Tremors, Diarrhea, Salivation
N L Ap Ex	Decies DAEL DAEL oplication Route oposure time arget Organs	: Rat : 14 mg/kg : 54 mg/kg : Oral : 91 d : Nervous syste	em
LČ Ar Ex Ta	Decies DAEL oplication Route (posure time arget Organs (mptoms	: Mouse : 6 mg/kg : Oral : 12 Weeks : Immune syste : immune syste	
	6-Di-tert-butyl-p-cresol:	· Rat	
	IECIES	RAL	

: Rat
: 25 mg/kg
: Ingestion
: 22 Months

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

Xylene:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Experience with human exposure

Components:

Deltamethrin (ISO):	
Inhalation	 Symptoms: respiratory tract irritation, Dizziness, Sweating, Headache, Nausea, Vomiting, anorexia, Fatigue, tingling, Palpitation, Blurred vision, muscle twitching
Skin contact	: Symptoms: Skin irritation, Erythema, pruritis, Headache, Nau- sea, Vomiting, Dizziness, tingling, Sweating, muscle twitching, Blurred vision, Fatigue, anorexia, Allergic reactions
Ingestion	: Symptoms: muscle pain, Small pupils



ersion .3	Revision Date: 28.09.2024			ate of last issue: 03.11.2023 ate of first issue: 13.01.2021
ECTION	12. ECOLOGICAL INFO	ORN	IATION	
Foot	oxicity			
	-			
	ponents:			
Xyle i Toxic	ne: sity to fish	:	LC50 (Oncorhynchus Exposure time: 96 h	s mykiss (rainbow trout)): 13,5 mg/l
	tity to daphnia and other tic invertebrates	:	Exposure time: 24 h Method: OECD Test	na (Water flea)): > 1 - 10 mg/l Guideline 202 data from similar materials
Toxic plant	sity to algae/aquatic s	:	EC50 (Skeletonema Exposure time: 72 h	costatum (marine diatom)): 10 mg/l
Toxic icity)	to fish (Chronic tox-	:	Exposure time: 35 d Method: OECD Test	zebra fish)): > 0,1 - < 1 mg/l Guideline 210 data from similar materials
	tity to daphnia and other tic invertebrates (Chron- cicity)	:	Exposure time: 21 d Method: OECD Test	na (Water flea)): > 1 - 10 mg/l Guideline 211 data from similar materials
Toxic	to microorganisms	:	NOEC: > 100 mg/l Exposure time: 3 h Method: OECD Test Remarks: Based on c	Guideline 209 data from similar materials
Calc	ium dodecylbenzenesu	Iph	onate:	
	sity to fish	:	LC50 (Leuciscus idus Exposure time: 96 h	s (Golden orfe)): > 1 - 10 mg/l data from similar materials
	city to daphnia and other tic invertebrates	:	Exposure time: 48 h	na (Water flea)): > 1 - 10 mg/l data from similar materials
Toxic plant	city to algae/aquatic s	:	100 mg/l Exposure time: 72 h	neriella subcapitata (green algae)): > 10 data from similar materials
			1 mg/l Exposure time: 72 h	neriella subcapitata (green algae)): > 0,7 data from similar materials
Toxic icity)	city to fish (Chronic tox-	:	NOEC (Pimephales p mg/l	promelas (fathead minnow)): > 0,1 - 1



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			Exposure time: 28 Remarks: Based o	d on data from similar materials		
	/ to daphnia and other invertebrates (Chron- ity)	:	NOEC (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 21 d Remarks: Based on data from similar materials			
Toxicity	Toxicity to microorganisms		Exposure time: 3 Method: OECD Te			
Nonylp	phenol, ethoxylated:					
Toxicity	y to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 0,1 - 1 mg/l 5 h on data from similar materials		
	/ to daphnia and other invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): > 0,1 - 1 mg/l Exposure time: 48 h Remarks: Based on data from similar materials			
Toxicity plants	y to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD Te			
			Exposure time: 72 Method: OECD Te			
	or (Acute aquatic tox-	:	1			
icity) Toxicity icity)	y to fish (Chronic tox-	:	Exposure time: 10	tipes (Japanese medaka)): > 0,1 - 1 mg/l 00 d on data from similar materials		
	y to daphnia and other invertebrates (Chron- ity)	:	 NOEC (Mysidopsis bahia (opossum shrimp)): > 0,001 - 0,01 mg/l Exposure time: 28 d Remarks: Based on data from similar materials 			
M-Fact toxicity	or (Chronic aquatic)	:	10			
Deltam	nethrin (ISO):					
Toxicity	y to fish	:	LC50 (Cyprinodor mg/l Exposure time: 96	n variegatus (sheepshead minnow)): 0,00048 5 h		
			LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 0,00039 mg/l 5 h		
Toxicity	y to daphnia and other	:	EC50 (Mysidopsis	s bahia (opossum shrimp)): 0,0037 μg/l		



Versic 2.3	on	Revision Date: 28.09.2024		9S Number: 30557-00009	Date of last issue: 03.11.2023 Date of first issue: 13.01.2021			
a	aquatic invertebrates			Exposure time: 48 h				
				EC50 (Daphnia magna (Water flea)): 0,0035 mg/l Exposure time: 48 h				
				LC50 (Gammarus Exposure time: 96	fasciatus (freshwater shrimp)): 0,0003 μg/l δ h			
	Toxicity to algae/aquatic plants		:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 9,1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.				
		or (Acute aquatic tox-	:	1.000.000				
Т	city) oxicity city)	to fish (Chronic tox-	:	NOEC (Pimephale mg/l Exposure time: 36	es promelas (fathead minnow)): 0,000022 8 d			
				NOEC (Pimephale mg/l Exposure time: 26	es promelas (fathead minnow)): 0,000017 60 d			
	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) M-Factor (Chronic aquatic toxicity)		:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 0,0041 μg/l d			
N			:	1.000.000				
2	.,6-Di-t	ert-butyl-p-cresol:						
Т	oxicity	to fish	:	Exposure time: 96	(zebra fish)): > 0,57 mg/l 5 h 67/548/EEC, Annex V, C.1.			
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te				
	oxicity lants	to algae/aquatic	:	ErC50 (Pseudokir mg/l Exposure time: 72 Method: OECD Te				
				NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te				
		or (Acute aquatic tox-	:	1				
Т	city) oxicity city)	to fish (Chronic tox-	:	NOEC (Oryzias la Exposure time: 30 Method: OECD Te				



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a	Toxicity to daphnia and other aquatic invertebrates (Chron-		NOEC (Daphnia r Exposure time: 2′	magna (Water flea)): 0,316 mg/l 1 d		
Μ	toxicity) -Factor (Chronic aquatic xicity)	:	1			
	oxicity to microorganisms	:	EC50: > 10.000 n Exposure time: 3 Method: OECD T	h		
P	ersistence and degradabili	ity				
<u>c</u>	omponents:					
X	ylene:					
В	iodegradability	:		> 70 %		
С	Calcium dodecylbenzenesulphonate:					
В	iodegradability	:	Result: Readily bi Remarks: Based	odegradable. on data from similar materials		
Ν	onylphenol, ethoxylated:					
В	iodegradability	:		y biodegradable. on data from similar materials		
D	eltamethrin (ISO):					
S	tability in water	:	Hydrolysis: 0 %(3	0 d)		
2,	6-Di-tert-butyl-p-cresol:					
В	iodegradability	:	Result: Not readil Biodegradation: Exposure time: 28 Method: OECD T	4,5 %		
В	ioaccumulative potential					
<u>c</u>	omponents:					
X	ylene:					
	artition coefficient: n- ctanol/water	:	log Pow: 3,16 Remarks: Calcula	ition		
С	alcium dodecylbenzenesu	lph	onate:			
В	ioaccumulation	:		factor (BCF): < 500 on data from similar materials		
	artition coefficient: n- ctanol/water	:	log Pow: 4,77 Remarks: Calcula	ation		
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Partit	/lphenol, ethoxylated: tion coefficient: n- nol/water	:	log Pow: 4,48	
Delta	amethrin (ISO): ccumulation	:	• •	s macrochirus (Bluegill sunfish) factor (BCF): 1.800
	tion coefficient: n- nol/water	:	log Pow: 4,6	
-	Di-tert-butyl-p-cresol: ccumulation	:	Species: Cyprinu Bioconcentration	s carpio (Carp) factor (BCF): 330 - 1.800
	tion coefficient: n- nol/water	:	log Pow: 5,1	
Mobi	ility in soil			
<u>Com</u>	ponents:			
Distri	amethrin (ISO):	:	log Koc: 7,2	
Othe	al compartments r adverse effects ata available			

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer. Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name	:	UN 1993 FLAMMABLE LIQUID, N.O.S. (Xylene)
Class	:	3
Packing group	:	111
Labels	:	3



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Envi	ronmentally hazardous	:	no	
UN/I Prop Class Pack Labe Pack aircra Pack	ing group ls ing instruction (cargo	 UN 1993 Flammable liquid, n.o.s. (Xylene) 3 III Flammable Liquids 366 355 		
IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code Marine pollutant			UN 1993 FLAMMABLE LIC (Xylene, Deltame 3 III 3 F-E, <u>S-E</u> yes	QUID, N.O.S. thrin (ISO), 2,6-Di-tert-butyl-p-cresol)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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.

SECTION 15. REGULATORY INFORMATION

Safety, health and enviror mixture	nmental regulations/legis	lation specific for the substance or			
Argentina. Carcinogenic Su Registry.	: Not applicable				
Control of precursors and essential chemicals for the : Xylene preparation of drugs.					
The ingredients of this product are reported in the following inventories:					
AICS	: not determined				
DSL	: not determined				

SECTION 16. OTHER INFORMATION

Revision Date	:	28.09.2024
Date format	:	dd.mm.yyyy



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Furth	er information					
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/				
Full text of other abbreviations						
ACGI ACGI AR B AR O	H BEI El	:	ACGIH - Biolog Argentina. Biol	hreshold Limit Values (TLV) jical Exposure Indices (BEI) ogical Exposure Indices upational Exposure Limits		

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

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



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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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