

Ver 2.1	sion	Revision Date: 27.11.2023		S Number: 182734-00004	Date of last issue: 30.09.2023 Date of first issue: 21.03.2023				
SEC		. IDENTIFICATION							
	Product name		:	Amitraz (12.5%) EC Formulation					
	Other I	means of identification	:	COOPERS AMI	TIK EC CATTLE AND PIG SPRAY (45044)				
	Manuf	acturer or supplier's	deta	ils					
	Company		:	MSD					
	Address		:	Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP					
	Telephone		:	908-740-4000					
	Emergency telephone		:	1-908-423-6000					
	E-mail address		:	EHSDATASTEWARD@msd.com					
	Recommended use of the cl			ical and restriction	ons on use				
		nmended use ctions on use	:	Veterinary produ Not applicable	ict				

SECTION 2. HAZARDS IDENTIFICATION

Acute toxicity (Oral)	:	Category 4
Serious eye damage/eye irritation	:	Category 1
Skin sensitization	:	Category 1
Germ cell mutagenicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3
Specific target organ toxicity - repeated exposure	:	Category 2 (Liver, Central nervous system)
Aspiration hazard	:	Category 1
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1

GHS label elements



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Hazar	rd pictograms	
Signa	l Word	: Danger
Hazar	rd Statements	 H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H373 May cause damage to organs (Liver, Central nervous system) through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.
Preca	utionary Statements	Prevention:
		 P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:
		 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P302 + P352 IF ON SKIN: Wash with plenty of water. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. P308 + P313 IF exposed or concerned: Get medical advice/
		attention. 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 locked up.
		Disposal:



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	P501 Disp disposal p		of contents/ container to an approved waste	

Other hazards which do not result in classification

Repeated exposure may cause skin dryness or cracking.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Hydrocarbons, C10, aromatics, <1% naphtha-	64742-94-5	>= 50 -< 70
lene		
Nonylphenol, ethoxylated	9016-45-9	>= 20 -< 25
Amitraz (ISO)	33089-61-1	>= 10 -< 20
7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-	2386-87-0	>= 2,5 -< 5
oxabicyclo[4.1.0]heptane-3-carboxylate		

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. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	o ,
If swallowed	:	•
Most important symptoms and effects, both acute and delayed	:	
Protection of first-aiders	:	First Aid responders should pay attention to self-protection,



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Notes	to physician	:	when the potentia	nmended personal protective equipment I for exposure exists (see section 8). cally and supportively.	
SECTION	5. FIRE-FIGHTING ME	ASU	IRES		
Suitab	Suitable extinguishing media		Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical		
Unsui media	table extinguishing	:	None known.		
	ic hazards during fire	:	Exposure to comb	pustion products may be a hazard to health.	
	dous combustion prod-	:	Carbon oxides		
Specif ods	Specific extinguishing meth- ods Special protective equipment for fire-fighters		Use extinguishing measures that are appropriate to local cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe so.		
			Evacuate area.In the event of fire, wear self-contained breathing appara Use personal protective equipment.		
SECTION	6. ACCIDENTAL RELE	ASI	EMEASURES		
tive ec	nal precautions, protec- quipment and emer- procedures	:	Follow safe handl	ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).	
Enviro	Environmental precautions		Prevent spreading oil barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages	
	ds and materials for nment and cleaning up	:	For large spills, pl containment to ke can be pumped, s container. Clean up remainin absorbent. Local or national d disposal of this m employed in the o determine which n Sections 13 and 1	t absorbent material. rovide diking or other appropriate ep material from spreading. If diked material store recovered material in appropriate ng materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to regulations are applicable. 5 of this SDS provide information regarding tional requirements.	

SECTION 7. HANDLING AND STORAGE

SAFETY DATA SHEET



Amitraz (12.5%) EC Formulation

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	Technical measures		:	 See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. 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 vapors. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.				
	Conditi	ons for safe storage	:	Store locked up. Keep tightly close Keep in a cool, w	abeled containers. d. ell-ventilated place. ice with the particular national regulations.			
	Materia	als to avoid	:		the following product types:			

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
Hydrocarbons, C10, aromatics, <1% naphthalene	64742-94-5	CMP (Mist)	5 mg/m³	AR OEL
		CMP - CPT (Mist)	10 mg/m ³	AR OEL
		TWA (Inhalable particulate matter)	5 mg/m³	ACGIH
Amitraz (ISO)	33089-61-1	TWA	10 µg/m3 (OEB 3)	Internal
		Wipe limit	1250 µg/100 cm ²	Internal

Engineering measures

: Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).

Minimize open handling.

SAFETY DATA SHEET



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Pers	onal protective equipr	nent					
	biratory protection	 If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Combined particulates and organic vapor type 					
	d protection						
Μ	laterial	: Chemical-resistant gloves					
	emarks protection	 Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols. 					
Skin	and body protection	: Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.					
Hygi	ene measures	 If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls. 					

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	clear
		light yellow
Odor	:	characteristic
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available



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	Evapora	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	:	0,952 (15 °C)	
	Density		:	No data available	
	Solubili Wate	ty(ies) er solubility	:	No data available	
		n coefficient: n-	:	Not applicable	
	octanol Autoign	/water ition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosit Visc	ty osity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle	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		





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SECTION	11. TOXICOLOGICAL I	NFO	ORMATION	
Inforr expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity Iful if swallowed.			
Prod Acute	<u>uct:</u> e oral toxicity	:	Acute toxicity esti Method: Calculati	mate: 1.446 mg/kg on method
Com	ponents:			
Hydr	ocarbons, C10, aromat	ics,	<1% naphthalene	:
Acute	e oral toxicity	:	LD50 (Rat): > 5.0 Method: OECD To Remarks: Based	
Acute	e inhalation toxicity	:	LC50 (Rat): > 4,7 Exposure time: 4 Test atmosphere: Method: OECD T Remarks: Based	h dust/mist
Acute	e dermal toxicity	:	toxicity	
Nony	/Iphenol, ethoxylated:			
Acute	e oral toxicity	:	LD50 (Rat): 500 -	2.000 mg/kg
Amit	raz (ISO):			
Acute	e oral toxicity	:	LD50 (Rat): > 400) mg/kg
			LD50 (Mouse): >	1.085 mg/kg
			LD50 (Guinea pig): > 400 mg/kg
Acute	e inhalation toxicity	:	Remarks: No data	a available
Acute	e dermal toxicity	:	LD50 (Rat): > 1.6	00 mg/kg
	abicyclo[4.1.0]hept-3-y e oral toxicity			[4.1.0]heptane-3-carboxylate: : > 2.959 - 5.000 mg/kg est Guideline 401
Acute	e inhalation toxicity	:	LC50 (Rat): >= 5,	19 mg/l



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		Exposure time: 4 h
		Test atmosphere: dust/mist
		Method: OECD Test Guideline 436
		Assessment: The substance or mixture has no acute inhala
		tion toxicity
Acute	dermal toxicity	: LD50 (Rat): > 2.000 mg/kg
		Method: OECD Test Guideline 402
		Assessment: The substance or mixture has no acute derma
		toxicity
-	corrosion/irritation	
	assified based on av	allable information.
	oonents:	
-	scarbons, C10, aron	natics, <1% naphthalene: : Repeated exposure may cause skin dryness or cracking.
A3363	Sillent	. Repeated exposure may cause skin dryness of cracking.
Nony	Iphenol, ethoxylate	d:
Speci	es	: Rabbit
Metho	bd	: OECD Test Guideline 404
Resul	t	: No skin irritation
Amitr	az (ISO):	
Speci		: Rabbit
Resul		: No skin irritation
7-0v2	bicyclo[4 1 0]bent-	3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:
Speci		: Rabbit
Metho		: OECD Test Guideline 404
Resul		: No skin irritation
11000		
	us eye damage/eye	
	es serious eye damag	ge.
	oonents:	
-		natics, <1% naphthalene:
Speci Resul		: Rabbit
Resul		: No eye irritation : Based on data from similar materials
-	Iphenol, ethoxylate	
Speci		: Rabbit
Resul		: Irreversible effects on the eye
Metho	bd	: OECD Test Guideline 405
Amitr	az (ISO):	
Speci	. ,	: Rabbit
		: No eye irritation
Resul		. No byo initiation





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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Components:

Hydrocarbons, C10, aromatics, <1% naphthalene:

Routes of exposure Species	:	Maximization Test Skin contact Guinea pig negative
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
Remarks	:	Based on data from similar materials

Amitraz (ISO):

Test Type	:	Maximization Test
Routes of exposure	:	Dermal
Species	:	Guinea pig
Result	:	Not a skin sensitizer.

7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:

Test Type Routes of exposure Species Result	 Maximization Test Skin contact Guinea pig positive
Result	: positive
Routes of exposure Species	

Assessment

: Probability or evidence of skin sensitization in humans

Germ cell mutagenicity

Suspected of causing genetic defects.

Components:

Hydrocarbons, C10, aromatics, <1% naphthalene:

- Genotoxicity in vitro
- : Test Type: In vitro sister chromatid exchange assay in mammalian cells



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		Result: negative Remarks: Based on data from similar materials	
Geno	toxicity in vivo	 Test Type: Mutagenicity (in vivo mammalian bone-marrov cytogenetic test, chromosomal analysis) Species: Rat Application Route: inhalation (vapor) Result: negative Remarks: Based on data from similar materials 	V
Nony	Iphenol, ethoxylated		
-	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials	
Amitr	az (ISO):		
	toxicity 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	
		Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro) Result: negative	yn-
7-0x2	abicyclo[4 1 0]hept-3	ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:	
	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: positive	
		Test Type: In vitro mammalian cell gene mutation test Result: positive	
		Test Type: In vitro sister chromatid exchange assay in ma malian cells Result: positive	۹ш-
		Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro) Result: positive	yn-
Geno	toxicity in vivo	: Test Type: Unscheduled DNA synthesis (UDS) test with mammalian liver cells in vivo Species: Rat Application Route: Ingestion Method: OECD Test Guideline 486 Result: negative	



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		Species: Mou Application R Result: negat	oute: Intraperitoneal injection
		say Species: Mou Application R	oute: Ingestion D Test Guideline 488
	cell mutagenicity -	: Positive resul mutagenicity	t(s) from in vivo mammalian somatic cell tests.
	nogenicity assified based on ava	ailable information.	
Comp	oonents:		
Speci Applic Expos NOAE	cation Route sure time EL	-	g body weight
Resul Speci Expos LOAE Resul	es sure time L	: negative : Mouse : 2 Years : 2,3 mg/kg boo : positive	dy weight
	t Organs	: Liver, Stomac	ch
7-Oxa	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicy	clo[4.1.0]heptane-3-carboxylate:
	cation Route sure time	: Mouse : Skin contact : 29 Months : negative	
•	oductive toxicity assified based on ava	ilable information.	
<u>Comp</u>	oonents:		
-	ocarbons, C10, aron s on fertility	: Test Type: Th Species: Rat Application R Result: negat	nree-generation reproduction toxicity study oute: inhalation (vapor)
Effect	s on fetal developme	Species: Rat	nbryo-fetal development oute: Ingestion ive



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			Remarks: Base	d on data from similar materials		
Amitr	az (ISO):					
Effects on fertility		:	 Test Type: Three-generation reproduction toxicity st Species: Rat Application Route: Oral Fertility: NOAEL: > 4,8 mg/kg body weight Result: No significant adverse effects were reported 			
Effect	s on fetal development	:	Species: Rat Application Rou Developmental	ryo-fetal development te: Oral Toxicity: NOAEL: 3 mg/kg body weight gnificant adverse effects were reported		
			Species: Rabbit Application Rou Developmental			
7-Oxa	abicyclo[4.1.0]hept-3-y	Ime	thyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:		
Effect	s on fetal development	:	Species: Rat Application Rou	Test Guideline 414		
	-single exposure cause drowsiness or dizz	zine	22			
	oonents:					
Hydro	ocarbons, C10, aromat	ics,	<1% naphthale	ne:		
Asses Rema	ssment arks	:		vsiness or dizziness. rom similar materials		
		s (Li	ver, Central nervo	ous system) through prolonged or repeated ex		
<u>Comp</u>	oonents:					
Amitr	az (ISO):					
-	et Organs ssment	:	Liver, Central no May cause dam exposure.	ervous system age to organs through prolonged or repeated		
7-0xa	abicyclo[4.1.0]hept-3-v	Ime	thyl 7-oxabicvcl	o[4.1.0]heptane-3-carboxylate:		
Route Targe	es of exposure et Organs	:	Ingestion nasal cavity	ce significant health effects in animals at con-		



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		centrations of >	10 to 100 mg/kg bw.
Repea	ated dose toxicity		
<u>Comp</u>	oonents:		
Hydro	ocarbons, C10, aron	natics, <1% naphthale	ne:
Specie		: Rat	
NOAE		: 300 mg/kg	
	cation Route	: Ingestion : 13 Weeks	
Rema	sure time Irks		rom similar materials
Amitr	az (ISO):		
Specie	. ,	: Mouse	
NOAE	EL	: 3 mg/kg	
	ation Route	: Oral	
	sure time t Organs	: 90 Days : Liver	
rarge	lorgans	. LIVEI	
Specie		: Dog	
NOAE		: 0,25 mg/kg	
	cation Route sure time	: Oral : 90 Days	
	t Organs	: Central nervous	system, Liver
7-0x a	bicvclo[4 1 0]bent-	3-vlmethyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:
Specie		: Rat	
NOAE		: 5 mg/kg	
	E	: 50 mg/kg	
LOAE	ation Doute	: Ingestion	
Applic	ation Route		
Applic Expos	sure time	: 90 Days	deline 408
Applic Expos Metho	sure time od	: 90 Days : OECD Test Gui	deline 408
Applic Expos Metho Aspir	sure time od ation toxicity	: OECD Test Gui	deline 408
Applic Expos Metho Aspir May b	sure time od ation toxicity be fatal if swallowed a	: OECD Test Gui	deline 408
Applic Expos Metho Aspir May b <u>Comp</u>	sure time ad ation toxicity be fatal if swallowed a ponents:	: OECD Test Gui	
Applic Expose Methor Aspira May b <u>Comp</u> Hydro	sure time ation toxicity be fatal if swallowed a <u>conents:</u> cocarbons, C10, aron	: OECD Test Gui and enters airways. natics, <1% naphthalei	ne:
Applic Expose Methor Aspira May b <u>Comp</u> Hydro The se	sure time ation toxicity be fatal if swallowed a <u>conents:</u> ccarbons, C10, aron ubstance or mixture i	: OECD Test Gui and enters airways. natics, <1% naphthalei	ne: n aspiration toxicity hazards or has to be i
Applic Expos Metho Aspira May b Comp Hydro The su garded	sure time ation toxicity be fatal if swallowed a <u>conents:</u> ccarbons, C10, aron ubstance or mixture i	: OECD Test Gui and enters airways. natics, <1% naphthale s known to cause huma man aspiration toxicity h	ne: n aspiration toxicity hazards or has to be
Applic Expos Metho Aspira May b Comp Hydro The su garded Exper	sure time ation toxicity be fatal if swallowed a <u>conents:</u> ccarbons, C10, aron ubstance or mixture i d as if it causes a hu	: OECD Test Gui and enters airways. natics, <1% naphthale s known to cause huma man aspiration toxicity h	ne: n aspiration toxicity hazards or has to be
Applic Expose Metho Aspira May b Comp Hydro The su garded Exper Comp	sure time ation toxicity be fatal if swallowed a <u>conents:</u> carbons, C10, aron ubstance or mixture i d as if it causes a hu rience with human e	: OECD Test Gui and enters airways. natics, <1% naphthale s known to cause huma man aspiration toxicity h	ne: n aspiration toxicity hazards or has to be



ersion 1	Revision Date: 27.11.2023		9S Number: 182734-00004	Date of last issue: 30.09.2023 Date of first issue: 21.03.2023		
ECTION 1	12. ECOLOGICAL INFO	DRN	IATION			
Ecoto	xicity					
	onents:					
_	carbons, C10, aromati	ice	~1% nanhthalong			
•	y to fish		LL50 (Oncorhync Exposure time: 96 Test substance: V Method: OECD T	hus mykiss (rainbow trout)): 2 - 5 mg/l 5 h Vater Accommodated Fraction		
Toxicity to daphnia and other aquatic invertebrates			EL50 (Daphnia magna (Water flea)): 3 - 10 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202 Remarks: Based on data from similar materials			
Toxicity to algae/aquatic plants			mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction		
Nonyl	phenol, ethoxylated:					
Toxicit	y to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 0,1 - 1 mg 5 h on data from similar materials		
	Toxicity to daphnia and other aquatic invertebrates		Exposure time: 48	nia dubia (water flea)): > 0,1 - 1 mg/l 3 h on data from similar materials		
Toxicit plants	y to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T			
			Exposure time: 72 Method: OECD T	m capricornutum (green algae)): > 1 mg/l 2 h est Guideline 201 on data from similar materials		
	tor (Acute aquatic tox-	:	1			
icity) Toxicit icity)	y to fish (Chronic tox-	:	Exposure time: 10	ntipes (Japanese medaka)): > 0,1 - 1 mg/l 00 d on data from similar materials		
	y to daphnia and other c invertebrates (Chron-	:	NOEC (Mysidops mg/l	is bahia (opossum shrimp)): > 0,001 - 0,01		



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	ic toxicity)			Exposure time: 28 d Remarks: Based on data from similar materials				
	M-Factor (Chronic aquatic toxicity)		:	10				
	Amitra	z (ISO):						
	Toxicity to fish		:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,45 mg/l Exposure time: 96 h				
	Toxicity to daphnia and other aquatic invertebrates		:	EC50 (Daphnia magna (Water flea)): 0,035 mg/l Exposure time: 48 h				
	Toxicity to algae/aquatic plants		:	NOEC (Pseudokirchneriella subcapitata (green algae)): 0,04 mg/l Exposure time: 91 h				
	M-Factoricity)	or (Acute aquatic tox-	:	10				
	Toxicity to fish (Chronic tox- icity)		:	NOEC (Pimephales promelas (fathead minnow)): 0,00148 mg/l Exposure time: 32 d				
	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		:	NOEC (Daphnia magna (Water flea)): 0,0011 mg/l Exposure time: 21 d				
	M-Factor (Chronic aquatic toxicity)		:	10				
	7-Oxab	vicyclo[4.1.0]hept-3-y	Ime	thyl 7-oxabicyclo	4.1.0]heptane-3-carboxylate:			
	Toxicity to fish		:	LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l Exposure time: 96 h Method: OECD Test Guideline 203				
	Toxicity to daphnia and other aquatic invertebrates			EC50 (Daphnia m Exposure time: 48 Method: OECD Te	3 h			
	Toxicity to algae/aquatic plants		:	ErC50 (Raphidoco 110 mg/l Exposure time: 72 Method: OECD To				
				NOEC (Raphidocomg/l mg/l Exposure time: 72 Method: OECD Te				
	Toxicity to microorganisms		:	EC10 (activated s Exposure time: 3 Method: OECD Te	h			



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Persi	stence and degradabi	lity		
<u>Com</u>	ponents:			
Hydr	ocarbons, C10, aroma	tics	, <1% naphthalene	9:
Biode	egradability	:	Biodegradation: Exposure time: 28	49,56 %
Nony	Iphenol, ethoxylated:			
Biode	egradability	:		ly biodegradable. on data from similar materials
7-0x	abicyclo[4.1.0]hept-3-y	/lme	thyl 7-oxabicyclo	[4.1.0]heptane-3-carboxylate:
Biode	egradability	:	Result: Not readil Biodegradation: Exposure time: 20 Method: OECD T	71 %
Bioa	ccumulative potential			
Com	ponents:			
Partit	Iphenol, ethoxylated: ion coefficient: n- ol/water	:	log Pow: 4,48	
Amit	raz (ISO):			
Bioac	cumulation	:		s macrochirus (Bluegill sunfish) factor (BCF): 1.333
	ion coefficient: n- ol/water	:	log Pow: 5,5	
				[4.1.0]heptane-3-carboxylate:
	ion coefficient: n- ol/water	:	log Pow: 1,34 Method: OECD T	est Guideline 107
Mobi	lity in soil			
Com	ponents:			
Distri	raz (ISO): bution among environ- al compartments	:	log Koc: 3,3	
	r adverse effects ata available			



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SECTION	13. DISPOSAL CONS	IDER	ATIONS						
Disp	osal methods								
Wast	Waste from residues Contaminated packaging			of waste into sewer.					
Conta			 Dispose of in accordance with local regulations. 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 INFO	ORM	ATION						
Inter	national Regulations								
-	TDG umber er shipping name	:	N.O.S.	TALLY HAZARDOUS SUBSTANCE, LIQUID,					
Class	6	:	9						
	ing group	:	III						
Labe	-	:	9						
Envir	onmentally hazardous	:	yes						
	-DGR								
UN/II Prope	o no. er shipping name	:		v hazardous substance, liquid, n.o.s. ethoxylated, Amitraz (ISO))					
Class	•	:	9						
	ing group	:	III						
Labe	-	:	Miscellaneous						
Pack aircra	ing instruction (cargo	:	964						
Pack	ing instruction (passen- ircraft)	:	964						
Ēnvir	onmentally hazardous	:	yes						
IMDO	G-Code								
UN n	umber	:	UN 3082						
Prope	Proper shipping name		: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,						

N.O.S.
(Nonylphenol, ethoxylated, Amitraz (ISO))
9
III
9
F-A, S-F
yes

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.





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SECTION	I 15. REGULATORY IN	FORMATION				
Safe mixt		mental regulations/le	gislatio	n specific for the substance or		
Arge Regi	ntina. Carcinogenic Sul stry.	ostances and Agents	:	Not applicable		
	rol of precursors and es aration of drugs.	ssential chemicals for th	he :	Hydrocarbons, C10, aromatics, <1% naphthalene		

The ingredients of this product are reported in the following inventories:

AICS		not determined
DSL	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Revision Date	:	27.11.2023
Date format	:	dd.mm.yyyy

Further information

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

Full text of other abbreviations

ACGIH AR OEL		USA. ACGIH Threshold Limit Values (TLV) Argentina. Occupational Exposure Limits
ACGIH / TWA AR OEL / CMP AR OEL / CMP - CPT	:	8-hour, time-weighted average TLV (Threshold Limit Value) STEL (Short Term Limit Value)

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



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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 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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