

Diazinon Formulation

Version 2.2	Revision Date: 30.09.2023		S Number: 9402-00008	Date of last issue: 12.07.2023 Date of first issue: 22.12.2020			
SECTION	1. IDENTIFICATION						
Produ	uct name	:	Diazinon Form	ulation			
Manu	ifacturer or supplier'	s detai	ls				
Com	Company		MSD				
Addre	Address		Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP				
Telep	hone	:	908-740-4000				
Emer	gency telephone	:	1-908-423-600	00			
E-ma	E-mail address		EHSDATASTE	EWARD@msd.com			
Reco	mmended use of the	e chem	ical and restric	tions on use			
	mmended use ictions on use	:	Veterinary prov Not applicable				

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification		
Acute toxicity (Oral)	:	Category 4
Acute toxicity (Dermal)	:	Category 5
Skin corrosion/irritation	:	Category 2
Serious eye damage/eye irritation	:	Category 1
Skin sensitization	:	Category 1
Germ cell mutagenicity	:	Category 1B
Carcinogenicity	:	Category 1B
Specific target organ toxicity - single exposure	:	Category 1 (Nervous system)
Specific target organ toxicity - single exposure	:	Category 3
Specific target organ toxicity - repeated exposure	:	Category 2 (Nervous system)
Aspiration hazard	:	Category 1



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	Short-te hazard	erm (acute) aquatic	:	Category 1	
	Long-te hazard	erm (chronic) aquatic	:	Category 1	
		bel elements pictograms	:		
	Signal	Word	:	Danger	
	Hazard	Statements	:	H304 May b H313 May b H315 Cause H317 May c H318 Cause H336 May c H340 May c H350 May c H370 Cause H373 May c prolonged o	aul if swallowed. e fatal if swallowed and enters airways. e harmful in contact with skin. es skin irritation. ause an allergic skin reaction. es serious eye damage. ause drowsiness or dizziness. ause genetic defects. ause cancer. es damage to organs (Nervous system). ause damage to organs (Nervous system) through r repeated exposure. oxic to aquatic life with long lasting effects.
	Precau	tionary Statements	:	P202 Do no and underst P260 Do no P264 Wash P270 Do no P271 Use o P272 Conta the workplac P273 Avoid	n special instructions before use. t handle until all safety precautions have been read ood. t breathe mist or vapors. skin thoroughly after handling. t eat, drink or smoke when using this product. nly outdoors or in a well-ventilated area. minated work clothing should not be allowed out of ce. release to the environment. protective gloves/ protective clothing/ eye protec-
				CENTER/ d P302 + P35 P304 + P34 and keep co doctor if you P305 + P35 water for se and easy to CENTER/ d	2 IF ON SKIN: Wash with plenty of water. 0 + P312 IF INHALED: Remove person to fresh air imfortable for breathing. Call a POISON CENTER/ i feel unwell. 1 + P338 + P310 IF IN EYES: Rinse cautiously with veral minutes. Remove contact lenses, if present do. Continue rinsing. Immediately call a POISON



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		P333 + P313 vice/ attentic	DT induce vomiting 3 If skin irritation or on. 4 Take off contamin	rash occurs: Get medical ad- nated clothing and wash it before			
	Storage: P405 Store locked up.						
	Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.						
	r hazards which do ı known.	not result in classifi	cation				
ECTION	3. COMPOSITION/IN	FORMATION ON IN	IGREDIENTS				
Subs	tance / Mixture	: Mixture					
Com	ponents						
Cherr	nical name		CAS-No.	Concentration (% w/w)			
Diazi	non		333-41-5	>= 50 -< 70			
Solve	ent naphtha (petroleur	n), light aromatic	64742-95-6	>= 20 -< 25			
	Iphenol, ethoxylated		9016-45-9	>= 20 -< 25			
	abicyclo[4.1.0]hept-3- cyclo[4.1.0]heptane-3		2386-87-0	>= 5 -< 10			

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.	I
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 wate for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.	r
If swallowed	If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control center immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.	



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	important symptoms effects, both acute and /ed	May be harm Causes skin May cause a Causes serio May cause d May cause g May cause causes dama	f swallowed and enters airways. ful in contact with skin. irritation. n allergic skin reaction. us eye damage. rowsiness or dizziness. enetic defects.
Prote	ection of first-aiders	: First Aid resp and use the r	onders should pay attention to self-protection, ecommended personal protective equipment ential for exposure exists (see section 8).
Note	s to physician		matically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.



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	nods and materials for ainment and cleaning up	:	For large spills, p containment to ke can be pumped, s container. Clean up remaini absorbent. Local or national disposal of this m employed in the o determine which Sections 13 and	t absorbent material. rovide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ang materials from spill with suitable regulations may apply to releases and aterial, 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 ST	OR	AGE	
Tech	nnical measures	:	See Engineering	measures under EXPOSURE

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
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 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.
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.
Materials to avoid	 Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases

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			
Diazinon	333-41-5	CMP	0,1 mg/m ³	AR OEL			
	Further information: A4 - Not classifiable as a human carcinogen,						



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		I	Skin							
					TWA (Inhalat fraction vapor)		0,01 mg/n	n ³	AC	GIH
	nt naphtha (petroleu aromatic	ım),	64742-	·95-6	TWA		200 mg/m (total hydi vapor)		AC	GIH
Biolo	gical occupational	exposi	ure limi	ts						
Comp	onents	CAS-N	lo. C	ontrol	Biolo	ogical	Sam-	Permissi	ble	Basis

		parameters	specimen	pling time	concentra- tion	
Diazinon	333-41-5	Acetylcholin esterase activity	In red blood cells	End of shift	70 % of an individual's baseline	ACGIH BEI
		Butyrylcholi nesterase activity	In serum or plasma	End of shift	60 % of an individual's baseline	ACGIH BEI
Engineering measures	tec less All des pro Co are the cor	hnologies to conserved a quick connect engineering cosign and operatect products, ntainment tech	ontrol airborr ctions). ontrols should ted in accord workers, and nologies sui ontrol at sour uncontrolled ces).	te concent d be imple dance with d the enviro table for co ce and to p	ontrolling comp prevent migrati	rip- lity s to pounds
Personal protective equ	ipment					
Respiratory protection Filter type Hand protection	exp rec		ment demon iidelines, use	strates exp respirator		e the
Material	: Ch	emical-resista	nt gloves			
Remarks Eye protection	: We If th mis We pot	ts or aerosols ar a faceshield	ses with side nment or act , wear the ap d or other full	ivity involv propriate (face prote	es dusty condi	sa
Skin and body protection	: Wo Add tas dis Use cor	rk uniform or l ditional body g k being perfori posable suits) e appropriate d itaminated clo	arments sho med (e.g., sle to avoid exp degowning te thing.	uld be use eevelets, a osed skin s echniques t	d based upon pron, gauntlets surfaces. to remove pote rpical use, prov	s, entially
Hygiene measures				y during ty	pical use, plu	



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		working place. When using do Contaminated workplace. Wash contamin The effective of engineering con appropriate deg	stems and safety showers close to the not eat, drink or smoke. work clothing should not be allowed out of the nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the trative controls.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	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
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	1.030 - 1.090 g/cm³
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n-	:	Not applicable



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Autoi	ol/water gnition temperature mposition temperature	:	No data availabl No data availabl	-
Visco Vis		:	No data availabl Not explosive	-
Moleo	zing properties cular weight de size	: : :	The substance o No data availabl Not applicable	r mixture is not classified as oxidizing. e

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
Harmful if swallowed. May be harmful in contact with	n sk	in.
Product:		
Acute oral toxicity	:	Acute toxicity estimate: 1.139 mg/kg Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: 5.000 mg/kg Method: Calculation method
Components:		
Diazinon:		
Acute oral toxicity	:	LD50 (Rat): 1.139 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5,437 mg/l Exposure time: 4 h



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		Test atmosphe	re: dust/mist
Acute	dermal toxicity	: LD50 (Rabbit):	> 2.020 mg/kg
Solve	ent naphtha (petroleu	ım), light aromatic:	
	oral toxicity	: LD50 (Rat): > \$	5.000 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): > Exposure time Test atmosphe	4 h
Acute	dermal toxicity	: LD50 (Rabbit):	> 2.000 mg/kg
Nony	Iphenol, ethoxylated	:	
Acute	oral toxicity	: LD50 (Rat): 50	0 - 2.000 mg/kg
7-Oxa	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicyd	lo[4.1.0]heptane-3-carboxylate:
Acute	oral toxicity		le): > 2.959 - 5.000 mg/kg) Test Guideline 401
Acute	inhalation toxicity		: 4 h
Acute	dermal toxicity		2.000 mg/kg) Test Guideline 402 he substance or mixture has no acute dermal
	corrosion/irritation		
00000	oonents:		
Diazir			
Speci		: Rabbit	
Resul		: Mild skin irritat	on
Solve	ent naphtha (petroleu	ım), light aromatic:	
Speci		: Rabbit	
Metho Resul		: OECD Test Gu : Skin irritation	ideline 404
Nonv	Iphenol, ethoxylated	:	
Speci	•	: Rabbit	
Metho		: OECD Test Gu	iideline 404
	t	: No skin irritatio	



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7-Oxa	abicyclo[4.1.0]hept-3	3-ylmethyl 7-oxabicyc	:lo[4.1.0]heptane-3-carboxylate:
Speci		: Rabbit	
Metho		: OECD Test Gu	
Resu	It	: No skin irritatio	'n
	us eye damage/eye		
	es serious eye damaç ponents:	je.	
	ent naphtha (petrole	inght aromatic:	
Speci Resu		: No eye irritation	n
Metho		: OECD Test Gu	
Nonv	Iphenol, ethoxylated	1:	
Speci	•	: Rabbit	
Resu		: Irreversible effe	ects on the eye
Metho	bd	: OECD Test Gu	
7-Oxa	abicyclo[4.1.0]hept-3	3-ylmethyl 7-oxabicyc	:lo[4.1.0]heptane-3-carboxylate:
Speci	ies	: Rabbit	
Resu		: No eye irritation	
Metho	bd	: OECD Test Gu	iideline 405
Resp	iratory or skin sensi	tization	
Skin	sensitization		
May o	cause an allergic skin	reaction.	
Resp	iratory sensitization		
-	lassified based on ava		
<u>Com</u>	ponents:		
Diazi	non:		
Test 7		: Buehler Test	
	es of exposure	: Skin contact	
Speci		: Guinea pig	
Resu	IT	: negative	
Solve	ent naphtha (petrole	um), light aromatic:	
Test		: Buehler Test	
	es of exposure	: Skin contact	
Speci Resu		: Guinea pig : negative	
ivesu	1.	. negative	
-	Iphenol, ethoxylated		
Test 7	Туре	: Maximization T	est



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Rema	rks	:	Based on data fro	m similar materials
Test T	Type is of exposure es	/Ime : :	thyl 7-oxabicyclo Maximization Tes Skin contact Guinea pig positive	[4.1.0]heptane-3-carboxylate: t
Asses	sment	:	Probability or evid	lence of skin sensitization in humans
	cell mutagenicity ause genetic defects.			
Comp	oonents:			
Diazir Genot	non: toxicity in vitro	:	Test Type: Bacte Result: negative	ial reverse mutation assay (AMES)
			C C	o mammalian cell gene mutation test
			Test Type: Chron Result: negative	nosome aberration test in vitro
Genot	toxicity in vivo	:	cytogenetic assay Species: Rat	nalian erythrocyte micronucleus test (in vivo /) :: Intraperitoneal injection
	cell mutagenicity -	:	Positive result(s) mutagenicity tests	from in vivo mammalian somatic cell s.
Solve	nt naphtha (petroleur	n). li	oht aromatic:	
	toxicity in vitro	:	-	ial reverse mutation assay (AMES)
			Test Type: In vitro Result: positive	o mammalian cell gene mutation test
Genot	toxicity in vivo	:	gonia Species: Mouse	chromatid exchange analysis in spermato- : Intraperitoneal injection
	cell mutagenicity - ssment	:	Positive result(s) tests in mammals	from in vivo heritable germ cell mutagenicit
-	Iphenol, ethoxylated: toxicity in vitro	:	Test Type: Bacte	ial reverse mutation assay (AMES)



rsion 2	Revision Date: 30.09.2023	SDS Number: 7699402-00008	Date of last issue: 12.07.2023 Date of first issue: 22.12.2020
		Result: nega Remarks: Ba	tive sed on data from similar materials
7-Oxa	bicyclo[4.1.0]hept-3	ylmethyl 7-oxabic	yclo[4.1.0]heptane-3-carboxylate:
Geno	toxicity in vitro		acterial reverse mutation assay (AMES) CD Test Guideline 471 ve
		Test Type: In Result: positi	vitro mammalian cell gene mutation test ve
		Test Type: In malian cells Result: positi	vitro sister chromatid exchange assay in mam
			NA damage and repair, unscheduled DNA syn nmalian cells (in vitro) ve
Geno	toxicity in vivo	mammalian I Species: Rat Application R	coute: Ingestion DD Test Guideline 486
		Species: Mou	coute: Intraperitoneal injection
		say Species: Mou Application R	Coute: Ingestion CD Test Guideline 488
	cell mutagenicity - ssment	: Positive resu mutagenicity	lt(s) from in vivo mammalian somatic cell tests.
	nogenicity ause cancer.		
-	oonents:		
Diaziı	non:		
Speci		: Rat	
	ation Route	: Ingestion : 104 weeks	
Resul	sure time t	: negative	
Carcii ment	nogenicity - Assess-	: Sufficient evi	dence of carcinogenicity in animal experiments



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	Solver	t naphtha (petroleum), li	ght aromatic:	
		s ation Route ure time	:	Mouse Skin contact 2 Years positive	
	Carcino ment	ogenicity - Assess-	:	Sufficient eviden	ce of carcinogenicity in animal experiments
	7-Oxab	bicyclo[4.1.0]hept-3-y	lme	thyl 7-oxabicyclo	[4.1.0]heptane-3-carboxylate:
		s ation Route ure time	:	Mouse Skin contact 29 Months negative	
	•	ductive toxicity ssified based on availa	ble	information.	
		onents:			
	Diazin				
		on fertility	:	Test Type: Three Species: Rat Application Route Result: negative	e-generation study e: Ingestion
	Effects	on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	yo-fetal development e: Ingestion
	Solver	it naphtha (petroleum). lie	abt aromatic:	
		on fertility	:	Test Type: Repro test Species: Rat	oduction/Developmental toxicity screening e: inhalation (vapor)
	Effects	on fetal development	:	Species: Rat	yo-fetal development e: inhalation (vapor)
	7-Oxab	picyclo[4.1.0]hept-3-v	me	thyl 7-oxabicyclo	[4.1.0]heptane-3-carboxylate:
		on fetal development	:	Test Type: Embr Species: Rat Application Route	yo-fetal development



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STOT	-single exposure		
	ause drowsiness or o s damage to organs		
<u>Comp</u>	onents:		
Diazin	ion:		
	s of exposure Organs sment		n ice significant health effects in animals at con 00 mg/kg bw or less.
Solver	nt naphtha (petrole	um), light aromatic:	
Asses	sment	: May cause drow	vsiness or dizziness.
	-repeated exposure ause damage to orga		nrough prolonged or repeated exposure.
<u>Comp</u>	onents:		
Diazin	ion:		
	s of exposure : Organs sment		n ice significant health effects in animals at con 10 to 100 mg/kg bw.
7-Oxa	bicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicyc	lo[4.1.0]heptane-3-carboxylate:
	s of exposure Organs sment		ice significant health effects in animals at con 10 to 100 mg/kg bw.
Repea	ted dose toxicity		
<u>Comp</u>	onents:		
Diazin	ion:		
	L	: Rat : 0,3 mg/kg : 15 mg/kg : Ingestion : 90 Days	
	L	: Rat : 0,1 mg/l : 0,75 mg/l : inhalation (dust : 28 Days	/mist/fume)
Solver	nt nanhtha (netrolo	um), light aromatic:	
		anny, nynt al Ulliatic.	



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		tion Route rre time	:	500 mg/kg Ingestion 28 Days	
-	7-Oxab	bicyclo[4.1.0]hept-3-yl	me	thyl 7-oxabicyclo	4.1.0]heptane-3-carboxylate:
	Specie: NOAEL LOAEL Applica	s tion Route re time	:	Rat 5 mg/kg 50 mg/kg Ingestion 90 Days OECD Test Guide	
	Aspiration toxicity May be fatal if swallowed and enters airways.				
9	Components:				
-	Solvent naphtha (petroleum), light aromatic: The substance or mixture is known to cause human aspiration toxicity hazards or has to be garded as if it causes a human aspiration toxicity hazard.				
I	Experie	ence with human exp	osı	ire	
<u>(</u>	Compo	onents:			
I	Diazino	on:			
I	Inhalati	on	:	Symptoms: carcin	ogenic effects
SEC	TION 1	2. ECOLOGICAL INFO	DRN	IATION	
I	Ecotox	licity			
<u>(</u>	Compo	onents:			
I	Diazino	on:			
-	Toxicity	<i>t</i> to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 0,09 mg/l ১h
-		to daphnia and other	:	EC50 (Ceriodaph	nia dubia (water flea)): 0,000164 mg/l

aquatic invertebrates		Exposure time: 48 h
M-Factor (Acute aquatic tox- icity)	:	1.000
57	:	NOEC (Pimephales promelas (fathead minnow)): 0,092 mg/l Exposure time: 34 d
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 0,00017 mg/l Exposure time: 21 d
M-Factor (Chronic aquatic toxicity)	:	100
Solvent naphtha (petroleum)	, li	ght aromatic:
Toyioity to fich		LCE0 (Dimenhales premales (fethead minnew)); 9.2 mg/l

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 8,2 mg/l



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			Exposure time: 96 Test substance: V	h Vater Accommodated Fraction
	city to daphnia and other atic invertebrates	:	Exposure time: 48	Vater Accommodated Fraction
Toxi plan	city to algae/aquatic ts	:	Exposure time: 96	Vater Accommodated Fraction
			mg/l Exposure time: 96	Vater Accommodated Fraction
aqua	city to daphnia and other atic invertebrates (Chron- xicity)	:	Exposure time: 21	Vater Accommodated Fraction
Non	ylphenol, ethoxylated:			
	city to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 0,1 - 1 mg/l 5 h on data from similar materials
	city to daphnia and other atic invertebrates	:	Exposure time: 48	nia dubia (water flea)): > 0,1 - 1 mg/l 3 h on data from similar materials
Toxi plan	city to algae/aquatic ts	:	mg/l Exposure time: 72 Method: OECD To	
			Exposure time: 72 Method: OECD Te	
	actor (Acute aquatic tox-	:	1	
icity) Toxi icity)	city to fish (Chronic tox-	:	Exposure time: 10	tipes (Japanese medaka)): > 0,1 - 1 mg/l)0 d on data from similar materials
aqua	city to daphnia and other atic invertebrates (Chron- xicity)	:	mg/l Exposure time: 28	is bahia (opossum shrimp)): > 0,001 - 0,01 3 d on data from similar materials



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M-Fa toxicit	ctor (Chronic aquatic ty)	:	10					
7-Oxa	-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:							
Toxic	ity to fish	:	Exposure time: 9	chus mykiss (rainbow trout)): 24 mg/l 96 h Test Guideline 203				
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	magna (Water flea)): 40 mg/l l8 h Fest Guideline 202				
Toxic plants	ity to algae/aquatic	:	110 mg/l Exposure time: 7	celis subcapitata (freshwater green alga)): : 72 h Test Guideline 201				
			mg/l Exposure time: 7	celis subcapitata (freshwater green alga)): : 72 h Test Guideline 201				
Toxic	ity to microorganisms	:	Exposure time: 3	sludge): 409 mg/l 3 h Test Guideline 209				
Persi	stence and degradabili	ity						
<u>Com</u>	ponents:							
	sononici.							
Solve), li	ght aromatic:					
	ent naphtha (petroleum gradability), li :	-					
Biode	ent naphtha (petroleum egradability), li :	Result: Inherentl Biodegradation:	94 %				
Biode Nony	ent naphtha (petroleum	:	Result: Inherent Biodegradation: Exposure time: 2 Result: Not read	94 %				
Biode Nony Biode	ent naphtha (petroleum gradability Iphenol, ethoxylated: gradability	:	Result: Inherent Biodegradation: Exposure time: 2 Result: Not read Remarks: Based	94 % 25 d ily biodegradable.				
Biode Nony Biode	ent naphtha (petroleum gradability Iphenol, ethoxylated: gradability	:	Result: Inherenti Biodegradation: Exposure time: 2 Result: Not read Remarks: Based thyl 7-oxabicycle Result: Not read Biodegradation: Exposure time: 2	94 % 25 d I on data from similar materials b[4.1.0]heptane-3-carboxylate: ily biodegradable. 71 %				
Biode Nony Biode 7-Oxa Biode	ent naphtha (petroleum gradability Iphenol, ethoxylated: gradability abicyclo[4.1.0]hept-3-y	:	Result: Inherenti Biodegradation: Exposure time: 2 Result: Not read Remarks: Based thyl 7-oxabicycle Result: Not read Biodegradation: Exposure time: 2	94 % 25 d I on data from similar materials 5[4.1.0]heptane-3-carboxylate: ily biodegradable. 71 % 28 d				
Biode Nony Biode Biode Biode	ent naphtha (petroleum gradability Iphenol, ethoxylated: gradability abicyclo[4.1.0]hept-3-yl	:	Result: Inherenti Biodegradation: Exposure time: 2 Result: Not read Remarks: Based thyl 7-oxabicycle Result: Not read Biodegradation: Exposure time: 2	94 % 25 d I on data from similar materials 5[4.1.0]heptane-3-carboxylate: ily biodegradable. 71 % 28 d				
Biode Nony Biode Biode Biode	ent naphtha (petroleum gradability Iphenol, ethoxylated: gradability abicyclo[4.1.0]hept-3-yl gradability ccumulative potential	:	Result: Inherenti Biodegradation: Exposure time: 2 Result: Not read Remarks: Based thyl 7-oxabicycle Result: Not read Biodegradation: Exposure time: 2	94 % 25 d I on data from similar materials 5[4.1.0]heptane-3-carboxylate: ily biodegradable. 71 % 28 d				



Diazinon Formulation

Version 2.2	Revision Date: 30.09.2023	SDS Number: 7699402-00008	Date of last issue: 12.07.2023 Date of first issue: 22.12.2020					
	on coefficient: n- ol/water	: log Pow: 3,69						
Partiti	Iphenol, ethoxylatec on coefficient: n- ol/water	l : : log Pow: 4,48						
7-Oxa	abicyclo[4.1.0]hept-3	-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:						
Partiti	on coefficient: n- ol/water	: log Pow: 1,34) Test Guideline 107					
	i ty in soil Ita available							
••	adverse effects Ita available							

SECTION 14. TRANSPORT INFORMATION

International Regulations

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



Version 2.2	Revision Date: 30.09.2023			Date of last issue: 12.07.2023 Date of first issue: 22.12.2020
UN number Proper shipping name		:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,
Class Packing group Labels EmS Code		:	(Diazinon) 9 III 9 F-A, S-F	
Marine pollutant		:	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.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legisl mixture	atio	n specific for the substance or
Argentina. Carcinogenic Substances and Agents Registry.	:	Not applicable
Control of precursors and essential chemicals for the preparation of drugs.	:	Solvent naphtha (petroleum), light aromatic

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

DSL	:	not determined
AICS	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Revision Date	: 30.09.2023
Date format	: dd.mm.yyyy

Further information

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

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
AR OEL	:	Argentina. Occupational Exposure Limits



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ACGIH / TWA	:	8-hour, time-weighted average
AR OEL / CMP	:	TLV (Threshold 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 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.

AR / Z8