

Diazinon Formulation

Versi 2.2	ion	Revision Date: 2023/09/30	-	S Number: 9408-00008	Date of last issue: 2023/07/12 Date of first issue: 2020/12/22
1. PF	RODUC	T AND COMPANY ID	ENT	IFICATION	
	Produc	t name	:	Diazinon Formula	ation
	Manufa	acturer or supplier's d	letai	ls	
	Compa	ny	:	MSD	
	Addres	S	:	126 E. Lincoln Av Rahway, New Je	venue rsey U.S.A. 07065
	Teleph	one	:	908-740-4000	
	Emerge	ency telephone number	• :	1-908-423-6000	
	E-mail	address	:	EHSDATASTEW	/ARD@msd.com
	Recom	mended use of the ch	nemi	ical and restriction	ons on use
		mended use tions on use	:	Veterinary produce Not applicable	ct

2. HAZARDS IDENTIFICATION

GHS Classification		
Acute toxicity (Oral)	:	Category 4
Skin corrosion/irritation	:	Category 2
Serious eye damage/eye irri- tation	:	Category 1
Skin sensitisation	:	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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h	nazard	erm (acute) aquatic erm (chronic) aquatic	:	Category 1 Category 1	
	azard		•	Category	
-		bel elements pictograms	:		
S	Signal v	word	:	Danger	• •
F	lazard	statements	:	H315 Causes H317 May cau H318 Causes H336 May cau H340 May cau H350 May cau H370 Causes H373 May cau prolonged or r	fatal if swallowed and enters airways. skin irritation. ıse an allergic skin reaction. serious eye damage. ıse drowsiness or dizziness. ıse genetic defects.
F	Precau	tionary statements	:	Prevention:	
				P202 Do not h and understoo P260 Do not b P264 Wash sh P270 Do not e P271 Use only P272 Contami the workplace P273 Avoid re	vereathe mist or vapours. kin thoroughly after handling. eat, drink or smoke when using this product. y outdoors or in a well-ventilated area. inated work clothing should not be allowed out of lease to the environment. otective gloves/ protective clothing/ eye protec-
				CENTER/ doc P302 + P352 P304 + P340 and keep com doctor if you fe P305 + P351 water for seve	F ON SKIN: Wash with plenty of water. + P312 IF INHALED: Remove person to fresh air fortable for breathing. Call a POISON CENTER/ eel unwell. + P338 + P310 IF IN EYES: Rinse cautiously with ral minutes. Remove contact lenses, if present b. Continue rinsing. Immediately call a POISON



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P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Diazinon	333-41-5	>= 30 -< 60
Solvent naphtha (petroleum), light aromatic	64742-95-6	>= 20 -< 25
Nonylphenol, ethoxylated	9016-45-9	>= 10 -< 25
7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-	2386-87-0	>= 2.5 -< 10
oxabicyclo[4.1.0]heptane-3-carboxylate		

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.



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	important symptoms effects, both acute and yed	:	Call a physician of Rinse mouth thor Never give anythi Harmful if swallow May be fatal if sw Causes skin irrita May cause an allo Causes serious e May cause drows May cause geneti May cause cance Causes damage f	allowed and enters airways. tion. ergic skin reaction. ye damage. iness or dizziness. ic defects. r.
Prote	ection of first-aiders	:	First Aid responde and use the recor	ers should pay attention to self-protection, nmended personal protective equipment Il for exposure exists (see section 8).
Note	s to physician	:		cally and supportively.
5. FIREFI	GHTING MEASURES			
	able extinguishing media uitable extinguishing	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical None known.	
medi	a cific hazards during fire-	:	Exposure to com	pustion products may be a hazard to health.
•	ardous combustion prod-	:	Carbon oxides Nitrogen oxides (I Sulphur oxides Oxides of phosph	
Spec ods	tific extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	cial protective equipment refighters	:	In the event of fire	e, wear self-contained breathing apparatus. tective equipment.
6. ACCID	ENTAL RELEASE MEA	SUF	RES	
tive e	onal precautions, protec- equipment and emer- ey procedures	:	Follow safe handl	tective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
Envi	ronmental precautions	:	Avoid release to t	he environment. akage or spillage if safe to do so

Prevent further leakage or spillage if safe to do so.

Prevent spreading over a wide area (e.g. by containment or oil



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	ethods and materials for ontainment and cleaning up	 Local authoritic cannot be con Soak up with in For large spills ment to keep ribe pumped, st Clean up remaindent. Local or nation posal of this memployed in the mine which republications 13 and 13 and	pose of contaminated wash water. es should be advised if significant spillages tained. nert absorbent material. s, provide dyking or other appropriate contain- naterial from spreading. If dyked material can ore recovered material in appropriate container. aining materials from spill with suitable absor- nal regulations may apply to releases and dis- taterial, as well as those materials and items be cleanup of releases. You will need to deter- gulations are applicable. In 15 of this SDS provide information regarding r national requirements.
	IDLING AND STORAGE		
le	echnical measures		ng measures under EXPOSURE PERSONAL PROTECTION section.
Lo	ocal/Total ventilation	: If sufficient ver ventilation.	ntilation is unavailable, use with local exhaust
	dvice on safe handling	: Do not get on Do not breathe Do not swallow Do not get in e Wash skin tho Handle in acco practice, base sessment Keep containe Do not eat, dri Take care to p environment.	eyes. roughly after handling. ordance with good industrial hygiene and safety d on the results of the workplace exposure as- r tightly closed. nk or smoke when using this product. revent spills, waste and minimize release to the
Co	onditions for safe storage	: Keep in prope Store locked u	

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components CAS-No	Value type Control p (Form of ters / Pe exposure) concentr	rmissible
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Keep tightly closed.



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Diazinon	333-41-5	NAB (Inhala- ble fraction and vapor)	0.01 mg/m3	ID OEL	
	Further information: Not classified as carcinogenic to hun enough data to classify these materials as carcinogenic to mans or animals, Skin				
		TWA (Inhal- able fraction and vapor)	0.01 mg/m3	ACGIH	
Solvent naphtha (petroleum), light aromatic	64742-95-6	TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH	

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Diazinon	333-41-5	Acetylcho- linesterase activity	In red blood cells	End of shift	70 % of an individual's baseline	ACGIH BEI
		Butyrylcho- linesterase activity	In serum or plasma	End of shift	60 % of an individual's baseline	ACGIH BEI

Engineering measures :	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less 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 con- tainment devices). Minimize open handling.
Personal protective equipment	
Respiratory protection ·	If adequate local exhaust ventilation is not available or expo-

Filter type Hand protection	 If adequate local exhaust ventilation is not available or exposure sure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Combined particulates and organic vapour type
Material	: Chemical-resistant gloves
Remarks Eye 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.



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Skin	and body protection	Additional body task being perfo posable suits) t	r laboratory coat. garments should be used based upon the prmed (e.g., sleevelets, apron, gauntlets, dis- o avoid exposed skin surfaces. e degowning techniques to remove potentially lothing.
Hygie	ene measures	: If exposure to c eye flushing sys ing place. When using do Contaminated v workplace. Wash contamin The effective op engineering cor appropriate deg	hemical is likely during typical use, provide stems and safety showers close to the work- not eat, drink or smoke. vork clothing should not be allowed out of the ated 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	yellow
Odour	:	characteristic
Odour 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
Vapour pressure	:	No data available
Relative vapour density	:	No data available



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Relat	ive density	: No data avai	lable
Dens	ity	: 1,030 - 1,090) g/cm³
	bility(ies) ater solubility	: No data avai	lable
	ion coefficient: n- ol/water	: Not applicab	le
	ignition temperature	: No data avai	lable
Deco	mposition temperature	: No data avai	lable
Visco Vis	sity scosity, kinematic	: No data avai	lable
Explo	sive properties	: Not explosive	e
Oxidiz	zing properties	: The substan	ce or mixture is not classified as oxidizing.
Moleo	cular weight	: No data avai	lable
Partic	cle size	: Not applicab	le
. STAB		(
Possi	tivity nical stability ibility of hazardous reac-	: Stable under	d as a reactivity hazard. normal conditions. th strong oxidizing agents.
Incom	itions to avoid npatible materials rdous decomposition ucts	: None known : Oxidizing ag : No hazardou	
. TOXIC	OLOGICAL INFORMA	ΓΙΟΝ	
Inform	nation on likely routes of sure	: Inhalation Skin contact	

exposureSkin contact
Ingestion
Eye contactAcute toxicityEye contactHarmful if swallowed.Product:
Acute oral toxicityAcute oral toxicity:Acute oral toxicity:Acute oral toxicity:



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Com	ponents:		
Diazi	non:		
Acute	e oral toxicity	: LD50 (Rat): 1	,139 mg/kg
Acute	e inhalation toxicity	: LC50 (Rat): > Exposure time Test atmosph	•
Acute	e dermal toxicity	: LD50 (Rabbit): > 2,020 mg/kg
Solve	ent naphtha (petroleu	m), light aromatic:	
	e oral toxicity	: LD50 (Rat): >	5,000 mg/kg
Acute	e inhalation toxicity	: LC50 (Rat): > Exposure time Test atmosph	e: 4 h
Acute	e dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg
Nony	uphenol, ethoxylated		
-	e oral toxicity		00 - 2,000 mg/kg
7-0x	abicyclo[4.1.0]hept-3-	ylmethyl 7-oxabicy	clo[4.1.0]heptane-3-carboxylate:
Acute	e oral toxicity		ale): > 2,959 - 5,000 mg/kg D Test Guideline 401
Acute	e inhalation toxicity	Method: OEC	
Acute	e dermal toxicity		2,000 mg/kg D Test Guideline 402 The substance or mixture has no acute dermal
	corrosion/irritation es skin irritation.		
<u>Com</u>	ponents:		
Diazi	non:		
Spec Resu		: Rabbit : Mild skin irrita	tion

Solvent naphtha (petroleum), light aromatic:



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Spec Meth Resu	od	: Rabbit : OECD Test Gui : Skin irritation	deline 404	
Nony	uphenol, ethoxylated	I:		
Spec Meth Resu	od	: Rabbit : OECD Test Gui : No skin irritatior		
7-0x	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:	
Spec		: Rabbit		
Meth		: OECD Test Gui		
Resu	It	: No skin irritatior	1	
Serio	ous eye damage/eye	irritation		
Caus	es serious eye damag	le.		
<u>Com</u>	ponents:			
Solve	ent naphtha (petroleu	um), light aromatic:		
Spec		: Rabbit		
Resu		: No eye irritation		
Meth	od	: OECD Test Gui	deline 405	
Nony	vlphenol, ethoxylated	I:		
Spec	ies	: Rabbit		
Resu	lt	: Irreversible effects on the eye		
Meth	od	: OECD Test Gui	deline 405	
7-0x	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:	
Spec		: Rabbit		
Resu		: No eye irritation		
Meth	od	: OECD Test Gui	deline 405	
Resp	iratory or skin sensi	tisation		
-	sensitisation			
May	cause an allergic skin	reaction.		
Resp	iratory sensitisation			
Not c	lassified based on ava	ailable information.		
<u>Com</u>	ponents:			
Diazi	non:			
Test		: Buehler Test		
Expo	sure routes	: Skin contact		
Spec		: Guinea pig		
Resu	n	: negative		



rsion	Revision Date: 2023/09/30	SDS Number: 7699408-00008	Date of last issue: 2023/07/12 Date of first issue: 2020/12/22
Test T Expos Speci	sure routes es	: Buehler Tes : Skin contact : Guinea pig	t
Resul	t	: negative	
Nony	Iphenol, ethoxylated	l:	
Test T Expos Speci Resul Rema	sure routes es t	: Maximisatio : Skin contact : Guinea pig : negative : Based on da	
7-Oxa	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabio	cyclo[4.1.0]heptane-3-carboxylate:
Test T Expos Speci Resul	sure routes es	: Maximisatio : Skin contact : Guinea pig : positive	
Asses	ssment	: Probability c	or evidence of skin sensitisation in humans
May c	cell mutagenicity ause genetic defects		
	<u>oonents:</u>		
Diaziı Genot	non: toxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative
		Test Type: I Result: nega	n vitro mammalian cell gene mutation test ative
		Test Type: (Result: nega	Chromosome aberration test in vitro ative
Geno	toxicity in vivo	cytogenetic Species: Ra	t Route: Intraperitoneal injection
	cell mutagenicity - ssment	: Positive resi genicity test	ult(s) from in vivo mammalian somatic cell muta s.
Solve	ent naphtha (petrole	um), light aromatic	:
	toxicity in vitro		Bacterial reverse mutation assay (AMES)



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		Test Type: In Result: positi	vitro mammalian cell gene mutation test ve
Geno	toxicity in vivo	gonia Species: Mou	oute: Intraperitoneal injection
	cell mutagenicity -	: Positive result tests in mami	t(s) from in vivo heritable germ cell mutagenicity mals
-	Iphenol, ethoxylated toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive sed on data from similar materials
	abicyclo[4.1.0]hept-3- toxicity in vitro	: Test Type: Ba Method: OEC Result: positiv Test Type: In	vitro mammalian cell gene mutation test
		malian cells Result: positi Test Type: D	vitro sister chromatid exchange assay in mam- ve NA damage and repair, unscheduled DNA syn-
Geno	toxicity in vivo	Result: positiv : Test Type: Un mammalian li Species: Rat Application R	nscheduled DNA synthesis (UDS) test with ver cells in vivo oute: Ingestion D Test Guideline 486
		Species: Mou Application R Result: negat Test Type: Tr say Species: Mou Application R	oute: Intraperitoneal injection ive ransgenic rodent somatic cell gene mutation as-



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rsion 2	Revision Date: 2023/09/30	SDS Number: 7699408-00008	Date of last issue: 2023/07/12 Date of first issue: 2020/12/22
		Result: posit	ive
	n cell mutagenicity - ssment	-	ult(s) from in vivo mammalian somatic cell muta
	inogenicity cause cancer.		
Com	ponents:		
Diazi	non:		
	cation Route sure time	: Rat : Ingestion : 104 weeks : negative	
Carci ment	nogenicity - Assess-	: Sufficient ev	idence of carcinogenicity in animal experiments
Solve	ent naphtha (petroleu	m), light aromatic	:
	cation Route sure time	: Mouse : Skin contact : 2 Years : positive	
Carci ment	nogenicity - Assess-	: Sufficient ev	idence of carcinogenicity in animal experiments
7-0x	abicyclo[4.1.0]hept-3-	ylmethyl 7-oxabic	cyclo[4.1.0]heptane-3-carboxylate:
	cation Route sure time	: Mouse : Skin contact : 29 Months : negative	
-	oductive toxicity lassified based on avai	lable information.	
<u>Com</u>	ponents:		
Diazi	non:		
Effec	ts on fertility	Species: Ra	Route: Ingestion
Effec ment	ts on foetal develop-	Species: Ra	Route: Ingestion

Solvent naphtha (petroleum), light aromatic:



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Effects	s on fertility		production/Developmental toxicity screening	
		test Species: Rat Application Rou Result: negativ	ute: inhalation (vapour) e	
Effects ment	s on foetal develop-	Species: Rat Application Rot		
7-Oxa	bicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicyc	lo[4.1.0]heptane-3-carboxylate:	
	s on foetal develop-		bryo-foetal development	
ment		Species: Rat Application Rot	ite: Indestion	
			Test Guideline 414	
	- single exposure ause drowsiness or d	izziness		
	es damage to organs			
<u>Comp</u>	onents:			
Diazin	ion:			
	ure routes	: Ingestion		
Target Asses	t Organs sment		n uce significant health effects in animals at co 300 mg/kg bw or less.	
Solve	nt naphtha (petroleu	ım), light aromatic:		
Asses	sment	: May cause dro	wsiness or dizziness.	
стот	- repeated exposure	9		
	· ·		hrough prolonged or repeated exposure.	
<u>Comp</u>	onents:			
Diazin	ion:			
	ure routes	: Ingestion		
	t Organs	: Nervous syster		
Asses	Sment		uce significant health effects in animals at co 10 to 100 mg/kg bw.	
			lo[4.1.0]heptane-3-carboxylate:	
	ure routes	: Ingestion		
rargei	t Organs sment	: nasal cavity : Shown to produ	uce significant health effects in animals at co	
Asses				
Asses			10 to 100 mg/kg bw.	



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Repeated dose toxicity

Components:

Diazinon:

Species NOAEL LOAEL Application Route Exposure time	:	Rat 0.3 mg/kg 15 mg/kg Ingestion 90 Days
Species NOAEL LOAEL Application Route Exposure time		Rat 0.1 mg/l 0.75 mg/l inhalation (dust/mist/fume) 28 Days

Solvent naphtha (petroleum), light aromatic:

Species	: Rat	
LÕAEL	: 500 mg/kg	
Application Route	: Ingestion	
Exposure time	: 28 Days	

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

Species	: Rat
NOAEL	: 5 mg/kg
LOAEL	: 50 mg/kg
Application Route	: Ingestion
Exposure time	: 90 Days
Method	: OECD Test Guideline 408

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

Solvent naphtha (petroleum), light aromatic:

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:

Diazinon:

Inhalation

: Symptoms: carcinogenic effects



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2. ECOL	OGICAL INFORMATION	1		
Fcoto	oxicity			
	ponents:			
Diazi				
	ity to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 0.09 mg/l S h
	ity to daphnia and other ic invertebrates	:	EC50 (Ceriodaph Exposure time: 48	nia dubia (water flea)): 0.000164 mg/l 3 h
	ctor (Acute aquatic tox-	:	1,000	
icity) Toxici icity)	ity to fish (Chronic tox-	:	NOEC (Pimephal Exposure time: 34	es promelas (fathead minnow)): 0.092 mg/l 1 d
	ity to daphnia and other ic invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 27	nagna (Water flea)): 0.00017 mg/l I d
	ctor (Chronic aquatic	:	100	
Solve	ent naphtha (petroleum), li	ght aromatic:	
Toxic	ity to fish	:	Exposure time: 96	s promelas (fathead minnow)): 8.2 mg/l 5 h Vater Accommodated Fraction
	ity to daphnia and other	:		agna (Water flea)): 4.5 mg/l
aquat	ic invertebrates		Exposure time: 48 Test substance: V Method: OECD T	Vater Accommodated Fraction
Toxic plants	ity to algae/aquatic	:	Exposure time: 96	Vater Accommodated Fraction
			mg/l Exposure time: 96	Vater Accommodated Fraction
	ity to daphnia and other ic invertebrates (Chron- icity)	:	Exposure time: 2	Vater Accommodated Fraction

Nonylphenol, ethoxylated:



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	Toxicity	r to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 0.1 - 1 mg/l i h on data from similar materials
		to daphnia and other invertebrates	:	Exposure time: 48	nia dubia (water flea)): > 0.1 - 1 mg/l h on data from similar materials
	Toxicity plants	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)	to fish (Chronic tox-	:	Exposure time: 10	tipes (Japanese medaka)): > 0.1 - 1 mg/l 0 d on data from similar materials
		to daphnia and other invertebrates (Chron- ty)	:	mg/l Exposure time: 28	s bahia (opossum shrimp)): > 0.001 - 0.01 d on data from similar materials
	M-Factor toxicity)	or (Chronic aquatic	:	10	
	7-Oxab Toxicity		ime :		
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity plants	to algae/aquatic	:	ErC50 (Raphidoce 110 mg/l Exposure time: 72 Method: OECD Te	
				NOEC (Raphidoce mg/l Exposure time: 72 Method: OECD Te	
	Toxicity	to microorganisms	:	EC10 (activated s	ludge): 409 mg/l



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			Exposure time: Method: OECD	3 h Test Guideline 209
Persi	stence and degrada	bility		
Comp	oonents:			
Solve	ent naphtha (petrole	um), li	ight aromatic:	
Biode	gradability	:	Result: Inherent Biodegradation: Exposure time:	
Nony	Iphenol, ethoxylated	d:		
Biode	gradability	:		dily biodegradable. d on data from similar materials
7-Oxa	abicyclo[4.1.0]hept-3	3-ylme	ethyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:
Biode	gradability	:	Biodegradation: Exposure time:	
Bioad	cumulative potentia	al		
<u>Com</u>	oonents:			
Diaziı	non:			
Bioac	cumulation	:		uus carpio (Carp) n factor (BCF): 46.9
	ion coefficient: n- ol/water	:	log Pow: 3.69	
•	Iphenol, ethoxylated	d:		
	ion coefficient: n- ol/water	:	log Pow: 4.48	
		-		o[4.1.0]heptane-3-carboxylate:
	ion coefficient: n- ol/water	:	log Pow: 1.34 Method: OECD	Test Guideline 107
Mobil	lity in soil			
	ata available			
	adverse effects			
No da	ata available			



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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 han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

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		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diazinon)
Class		9
Packing group	:	5 III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes
	•	you

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



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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.

Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health

Hazardous substances that must be registered		Not applicable
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Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances

Hazardous substances approved for use	:	Not applicable
Prohibited substances	:	Not applicable
Restricted substances	:	Not applicable

Regulation of the Ministry of Trade No. 7 of 2022 on Distribution and Control of Hazardous Materials

Type of hazardous materials subject to distribution and : Not applicable control, Annex I

Type of hazardous materials subject to distribution and : Not applicable control, Annex II

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

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

16. OTHER INFORMATION

Revision Date	:	2023/09/30
Further information Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/



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Date format	:	yyyy/mm/dd		
Full text of other abbreviations				
ACGIH ACGIH BEI ID OEL	:	USA. ACGIH Threshold Limit Values (TLV) ACGIH - Biological Exposure Indices (BEI) Indonesia. Occupational Exposure Limits		
ACGIH / TWA ID OEL / NAB		8-hour, time-weighted average Long term exposure limit		

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.

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