



Version 1.1	Revision Date: 06.04.2024		S Number: 292231-00002		sue: 07.11.2023 sue: 07.11.2023
Section 1	: Identification				
Produ	uct name	:	Diazinon (47%)	Liquid Formulat	ion
Manu	ufacturer or supplier's	deta	ils		
Com	pany	:	MSD		
Addre	ess	:	33 Whakatiki Str Upper Hutt - Nev		g 908
Telep	phone	:	0800 800 543		
Emer	rgency telephone numbe	er :	0800 764 766 (0 CHEMCALL)	800 POISON)	0800 243 622 (0800
E-ma	il address	:	EHSDATASTEV	VARD@msd.co	m
Reco	ommended use of the c	hem	ical and restriction	ons on use	
	mmended use rictions on use	:	Veterinary produ Not applicable	ıct	
Section 2	: Hazard identification				
GHS	Classification				
Acute	e toxicity (Oral)	:	Category 4		
Skin	corrosion/irritation	:	Category 2		
Serio	us eve damage/eve irri-		Category 2		

Serious eye damage/eye irri- tation	:	Category 2
Skin sensitisation	:	Category 1
Germ cell mutagenicity	:	Category 1
Carcinogenicity	:	Category 1
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, nasal cavity)
Aspiration hazard	:	Category 1





Versio	on	Revision Date: 06.04.2024		S Number: 92231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
		ous to the aquatic ment - acute hazard	:	Category 1	
		ous to the aquatic ment - chronic hazard	:	Category 1	
G	GHS la	bel elements			
F	Hazard	pictograms	:		!
S	Signal v	word	:	Danger	V V
ŀ	Hazard	statements	:	H315 Causes ski H317 May cause H319 Causes se H336 May cause H340 May cause H350 May cause H370 Causes da H373 May cause cavity) through p	al if swallowed and enters airways. in irritation. an allergic skin reaction. rious eye irritation. drowsiness or dizziness. genetic defects.
F	Precaut	tionary statements	:	Prevention:	
				P201 Obtain spe P202 Do not han and understood. P260 Do not brea P264 Wash skin P270 Do not eat, P271 Use only of P272 Contamina the workplace. P273 Avoid relea	cial instructions before use. dle until all safety precautions have been read athe mist or vapours. thoroughly after handling. drink or smoke when using this product. utdoors or in a well-ventilated area. ted work clothing should not be allowed out of ase to the environment. ective gloves/ protective clothing/ eye protec- ion.
				Response: P301 + P310 IF S CENTER/ doctor P302 + P352 IF 0 P304 + P340 + P and keep comfor doctor if you feel P305 + P351 + F	SWALLOWED: Immediately call a POISON ON SKIN: Wash with plenty of water. 2312 IF INHALED: Remove person to fresh air table for breathing. Call a POISON CENTER/ unwell. 2338 IF IN EYES: Rinse cautiously with water es. Remove contact lenses, if present and





Version	Revision Date:	SDS Number:	Date of last issue: 07.11.2023
1.1	06.04.2024	11292231-00002	Date of first issue: 07.11.2023

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.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
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.

Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Diazinon	333-41-5	>= 30 -< 50
Solvent naphtha (petroleum), light aromatic	64742-95-6	>= 20 -< 25
4-Nonylphenol, branched, ethoxylated	127087-87-0	>= 10 -< 20
7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7- oxabicyclo[4.1.0]heptane-3-carboxylate	2386-87-0	>= 2.5 -< 10

Alternative CAS Numbers for some regions

Chemical name	Alternative CAS Number(s)
4-Nonylphenol, branched, ethoxylated	68412-54-4

Section 4: First-aid measures

General advice	 In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	 In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.



/ersion I.1	Revision Date: 06.04.2024	SDS Number:Date of last issue: 07.11.202311292231-00002Date of first issue: 07.11.2023			
		If easy to do, remove contact lens, if worn. Get medical attention.			
lf swa	allowed	: If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control centre immediately. Rinse mouth thoroughly with water.			
	important symptoms effects, both acute and red	 Never give anything by mouth to an unconscious perso Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Causes damage to organs. May cause damage to organs through prolonged or rep 			
Prote	ection of first-aiders	exposure. First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment			
	s to physician	when the potential for exposure exists (see section 8). Treat symptomatically and supportively.			
ection 5	: Fire-fighting measure				
	ble extinguishing media	 Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical None known. 			
media	itable extinguishing a ific hazards during fire-	 Exposure to combustion products may be a hazard to health 			
fightir	ng	: Carbon oxides			
ucts		Nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus			
Speci ods	ific extinguishing meth-	: 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 so. Evacuate area.			
for fir	ial protective equipment efighters hem Code	 In the event of fire, wear self-contained breathing apparatus Use personal protective equipment. 3Z 			

Section 6: Accidental release measures

Personal precautions, protec- :	Use personal protective equipment.
tive equipment and emer-	Follow safe handling advice (see section 7) and personal pro-
gency procedures	tective equipment recommendations (see section 8).



Version



Date of last issue: 07.11.2023

Diazinon (47%) Liquid Formulation

SDS Number:

Revision Date:

1.1	06.04.2024		292231-00002	Date of first issue: 07.11.2023
Envi	ronmental precautions	:	Prevent spreading barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g. by containment or oil se of contaminated wash water. should be advised if significant spillages
	nods and materials for ainment and cleaning up	:	For large spills, p ment to keep mat be pumped, store Clean up remaining bent. Local or national posal of this mate employed in the c mine which regula Sections 13 and	t absorbent material. rovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. In materials from spill with suitable absor- regulations may apply to releases and dis- erial, as well as those materials and items cleanup of releases. You will need to deter- ations are applicable. It of this SDS provide information regarding ational requirements.
Section 7	7: Handling and storage	1		
Tech	nnical measures	:		measures under EXPOSURE SONAL PROTECTION section.
Loca	l/Total ventilation	:		ation is unavailable, use with local exhaust
	ce on safe handling ene measures	:	Handle in accorda practice, based o sessment Keep container tig Do not eat, drink Take care to prev environment. If exposure to che flushing systems	ist or vapours. s. ghly after handling. ance with good industrial hygiene and safety n the results of the workplace exposure as-
			Contaminated wo workplace. Wash contaminat The effective ope engineering contr appropriate dego	ot eat, drink or smoke. rk clothing should not be allowed out of the ed clothing before re-use. ration of a facility should include review of ols, proper personal protective equipment, whing and decontamination procedures, monitoring, medical surveillance and the





Version	Revision Date:	SDS Number:	Date of last issue: 07.11.2023
1.1	06.04.2024	11292231-00002	Date of first issue: 07.11.2023
	ions for safe storage als to avoid	Store locked up. Keep tightly close Keep in a cool, w Store in accordar	labelled containers. ed. ell-ventilated place. nce with the particular national regulations. the following product types:

Section 8: Exposure controls/personal protection

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Diazinon	333-41-5	WES-TWA	0.1 mg/m3	NZ OEL
	Further inform monitoring, Sk	ation: Exposure can also be estimated by biological		
		TWA (Inhal- able fraction and vapor)	0.01 mg/m3	ACGIH
Solvent naphtha (petroleum), light aromatic	64742-95-6	WES-TWA	300 ppm 890 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,480 mg/m3	NZ OEL
		TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH

Components with workplace control parameters

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Diazinon	333-41-5	Cholines- terase activ- ity	Blood		< 60 % of baseline	NZ BEI
		Cholines- terase activ- ity	Blood		< 80 % of baseline	NZ BEI
		Cholines- terase activ- ity	Blood		> 75 % of baseline	NZ BEI
		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





/ersion .1	Revision Date: 06.04.2024	SDS Number: 11292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
		less quick co All engineerin design and o protect produ Containment are required	ng controls should be implemented by facility operated in accordance with GMP principles to ucts, workers, and the environment. t technologies suitable for controlling compound to control at source and to prevent migration of nd to uncontrolled areas (e.g., open-face con- rices).
Porce	onal protective equip		si nanaling.
	iratory protection	: If adequate le sure assessr	ocal exhaust ventilation is not available or expo ment demonstrates exposures outside the rec- guidelines, use respiratory protection.
	lter type protection		articulates and organic vapour type
Ma	aterial	: Chemical-res	sistant gloves
	emarks protection	If the work en mists or aero Wear a faces	uble gloving. glasses with side shields or goggles. nvironment or activity involves dusty conditions psols, wear the appropriate goggles. shield or other full face protection if there is a direct contact to the face with dusts, mists, or
Skin a	and body protection	: Work uniform Additional bo task being pe posable suits	n or laboratory coat. ody garments should be used based upon the erformed (e.g., sleevelets, apron, gauntlets, dis s) to avoid exposed skin surfaces. iate degowning techniques to remove potentiall d clothing.

Section 9: Physical and chemical properties

Appearance	:	liquid
Colour	:	No data available
Odour	:	No data available
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





Version 1.1	Revision Date: 06.04.2024		S Number: 92231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
Eva	aporation rate	:	No data available	
Fla	mmability (solid, gas)	:	Not applicable	
Fla	mmability (liquids)	:	No data available	
	per explosion limit / Upper nmability limit	:	No data available	
	ver explosion limit / Lower nmability limit	:	No data available	
Va	oour pressure	:	No data available	9
Re	Relative vapour density		No data available)
Re	Relative density		No data available	
De	nsity	:	No data available)
	ubility(ies) Water solubility	:	No data available	
	tition coefficient: n-	:	Not applicable	
	anol/water o-ignition temperature	:	No data available)
De	composition temperature	:	No data available	9
	cosity Viscosity, kinematic	:	No data available	9
Exp	plosive properties	:	Not explosive	
Oxi	dizing properties	:	The substance o	r mixture is not classified as oxidizing.
Мо	lecular weight	:	No data available	9
	ticle characteristics ticle 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





ersion 1	Revision Date: 06.04.2024	SDS Number:Date of last issue: 07.11.202311292231-00002Date of first issue: 07.11.2023
Hazar produc	dous decomposition cts	: No hazardous decomposition products are known.
ection 11	: Toxicological info	rmation
Expos	sure routes	: Inhalation Skin contact Ingestion Eye contact
	e toxicity ful if swallowed.	
<u>Produ</u>	<u>ict:</u>	
Acute	oral toxicity	: Acute toxicity estimate: 1,262 mg/kg Method: Calculation method
<u>Comp</u>	oonents:	
Diazir	-	
Acute	oral toxicity	: LD50 (Rat): 1,139 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): > 5.437 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute	dermal toxicity	: LD50 (Rabbit): > 2,020 mg/kg
Solve	nt naphtha (petroleu	um). light aromatic:
	oral toxicity	: LD50 (Rat): > 5,000 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): > 5.61 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute	dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg
4-Non	ylphenol, branched,	, ethoxylated:
	oral toxicity	: LD50 (Rat): > 300 - 2,000 mg/kg Remarks: Based on data from similar materials
Acute	dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg
7-Oxa	bicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:
	oral toxicity	: LD50 (Rat, male): > 2,959 - 5,000 mg/kg Method: OECD Test Guideline 401
Acute	inhalation toxicity	: LC50 (Rat): >= 5.19 mg/l Exposure time: 4 h Test atmosphere: dust/mist



sion	Revision Date: 06.04.2024	SDS Number: 11292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
			Test Guideline 436 he substance or mixture has no acute inhala
Acute	dermal toxicity		2,000 mg/kg Test Guideline 402 he substance or mixture has no acute derma
	corrosion/irritation es skin irritation.		
Comp	oonents:		
Diaziı	non:		
Speci		: Rabbit	
Resul	t	: Mild skin irritation	on
Solve	ent naphtha (petroleu	ım), light aromatic:	
Speci		: Rabbit	
Metho		: OECD Test Gu	ideline 404
Resul	t	: Skin irritation	
7-Oxa	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicyc	lo[4.1.0]heptane-3-carboxylate:
Speci		: Rabbit	
Metho		: OECD Test Gu	
Resul	t	: No skin irritation	n
Serio	us eye damage/eye i	rritation	
Cause	es serious eye irritation	n.	
Comp	oonents:		
	ent naphtha (petroleu	ım), light aromatic:	
Speci		: Rabbit	
Resul Metho		: No eye irritatior : OECD Test Gu	idaliaa 405
wethe	ba	: OECD Test Gu	Ideline 405
4-Nor	ylphenol, branched,	, ethoxylated:	
Speci		: Rabbit	
	t	: Irritation to eyes	s, reversing within 21 days
Resul			
Resul	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicyc	lo[4.1.0]heptane-3-carboxylate:
Resul		-ylmethyl 7-oxabicyc : Rabbit	lo[4.1.0]heptane-3-carboxylate:
Resul	es		1





Version 1.1	Revision Date: 06.04.2024	SDS Number: 11292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
Respiratory or skin sensitisation			

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Components:

Diazinon:

:	Buehler Test
:	Skin contact
:	Guinea pig
:	negative
	:

Solvent naphtha (petroleum), light aromatic:

Test Type	:	Buehler Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Result	:	negative

4-Nonylphenol, branched, ethoxylated:

Test Type :	Human repeat insult patch test (HRIPT)
Exposure routes :	Skin contact
Result :	negative
Remarks :	Based on data from similar materials

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

Test Type Exposure routes Species Result	:	Maximisation Test Skin contact Guinea pig positive
Assessment	:	Probability or evidence of skin sensitisation in humans
Chronic toxicity		

Germ cell mutagenicity

May cause genetic defects.

Components:

Diazinon:

Genotoxicity 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





/ersion .1	Revision Date: 06.04.2024	SDS Number:Date of last issue: 07.11.202311292231-00002Date of first issue: 07.11.2023	
		Result: negative	
Genot	toxicity in vivo	 Test Type: Mammalian erythrocyte micronucleus test (in v cytogenetic assay) Species: Rat Application Route: Intraperitoneal injection Result: positive 	/ivo
	cell mutagenicity -	: Positive result(s) from in vivo mammalian somatic cell mu genicity tests.	ta-
Solve	ent naphtha (petroleu	n), light aromatic:	
Genot	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative	
		Test Type: In vitro mammalian cell gene mutation test Result: positive	
Genot	toxicity in vivo	 Test Type: Sister chromatid exchange analysis in sperma gonia Species: Mouse Application Route: Intraperitoneal injection Result: positive 	to-
	cell mutagenicity - ssment	: Positive result(s) from in vivo heritable germ cell mutagen tests in mammals	icity
4-Nor	ylphenol, branched	ethoxylated:	
Genot	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative	
		Test Type: DNA damage and repair, unscheduled DNA sy thesis in mammalian cells (in vitro) Result: negative	/n-
		/Imethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate:	
Genot	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	រm-
		Test Type: DNA damage and repair, unscheduled DNA sy thesis in mammalian cells (in vitro)	/n-



ersion 1	Revision Date: 06.04.2024	SDS Number: 11292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
		Result: positive	<u>}</u>
Geno	toxicity in vivo	mammalian live Species: Rat Application Rot	ute: Ingestion) Test Guideline 486
		Test Type: Mic Species: Mous	
			ute: Intraperitoneal injection
		say Species: Mous Application Rot	ute: Ingestion) Test Guideline 488
Germ	cell mutagenicity -		s) from in vivo mammalian somatic cell muta-
Asses	ssment	genicity tests.	
Carci	ssment i nogenicity cause cancer.	genicity tests.	
Carci May c	nogenicity	genicity tests.	
Carci May c	i nogenicity cause cancer. ponents:	genicity tests.	
Carci May o <u>Com</u> j Diazi	inogenicity cause cancer. ponents: non:	genicity tests.	
Carci May o <u>Com</u> j Diazi Speci	inogenicity cause cancer. ponents: non: ies	: Rat	
Carci May o <u>Com</u> Diazi Speci Applio Expos	inogenicity cause cancer. ponents: non: ies cation Route sure time		
Carci May o <u>Com</u> Diazi Speci Applio	inogenicity cause cancer. ponents: non: ies cation Route sure time	: Rat : Ingestion	
Carci May o <u>Com</u> Diazi Speci Applio Expos Resu	inogenicity cause cancer. ponents: non: ies cation Route sure time It nogenicity - Assess-	: Rat : Ingestion : 104 weeks : negative	ence of carcinogenicity in animal experiments
Carci May o Com Diazi Speci Applio Expos Resu Carci ment	inogenicity cause cancer. ponents: non: ies cation Route sure time It nogenicity - Assess-	: Rat : Ingestion : 104 weeks : negative : Sufficient evide	ence of carcinogenicity in animal experiments
Carci May o Com Diazi Speci Speci Speci Resu Carci ment	inogenicity cause cancer. ponents: non: ies cation Route sure time It nogenicity - Assess- ent naphtha (petroleu	: Rat : Ingestion : 104 weeks : negative : Sufficient evide	ence of carcinogenicity in animal experiments
Carci May o <u>Com</u> Diazi Speci Applio Expos Resu Carci ment Solve Speci	inogenicity cause cancer. ponents: non: ies cation Route sure time It nogenicity - Assess- ent naphtha (petroleu	: Rat : Ingestion : 104 weeks : negative : Sufficient evide m), light aromatic:	ence of carcinogenicity in animal experiments
Carci May o Comj Diazi Speci Applio Expos Resu Carci ment Solve Applio Expos	inogenicity cause cancer. ponents: non: ies cation Route sure time lt nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time	 Rat Ingestion 104 weeks negative Sufficient evide m), light aromatic: Mouse Skin contact 2 Years 	ence of carcinogenicity in animal experiments
Carci May of Com Diazi Speci Applio Expos Resu Carci ment Solve Applio	inogenicity cause cancer. ponents: non: ies cation Route sure time lt nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time	: Rat : Ingestion : 104 weeks : negative : Sufficient evide m), light aromatic: : Mouse : Skin contact	ence of carcinogenicity in animal experiments
Carci May o Com Diazi Speci Applic Expos Resu Carci ment Solve Applic Expos Resu	inogenicity cause cancer. ponents: non: ies cation Route sure time lt nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time	: Rat : Ingestion : 104 weeks : negative : Sufficient evide m), light aromatic: : Mouse : Skin contact : 2 Years : positive	ence of carcinogenicity in animal experiments
Carci May o Comj Diazi Speci Applic Expos Resu Carci ment Speci Applic Expos Resu Carci Mesu Carci Applic Expos	inogenicity cause cancer. ponents: non: ies cation Route sure time lt nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time lt	 Rat Ingestion 104 weeks negative Sufficient evide m), light aromatic: Mouse Skin contact 2 Years positive Sufficient evide 	
Carci May o Comj Diazi Speci Applic Expos Resu Carci ment Speci Applic Expos Resu Carci Mesu Carci Applic Expos	inogenicity cause cancer. ponents: non: ies cation Route sure time It nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time lt nogenicity - Assess- nylphenol, branched,	 Rat Ingestion 104 weeks negative Sufficient evide m), light aromatic: Mouse Skin contact 2 Years positive Sufficient evide 	
Carci May o Comj Diazi Speci Applic Expos Resu Carci ment Speci Applic Expos Resu Carci ment Carci Ment Carci Ment Carci Ment	inogenicity cause cancer. ponents: non: ies cation Route sure time It nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time It nogenicity - Assess- nylphenol, branched, ies cation Route	 Rat Ingestion 104 weeks negative Sufficient evide m), light aromatic: Mouse Skin contact 2 Years positive Sufficient evide ethoxylated: Rat Ingestion 	
Carci May o Com Diazi Speci Applic Expos Resu Carci ment Speci Applic Expos Resu Carci ment Speci Applic Expos Resu	inogenicity cause cancer. ponents: non: ies cation Route sure time It nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time It nogenicity - Assess- nylphenol, branched, ies cation Route sure time	 Rat Ingestion 104 weeks negative Sufficient evide m), light aromatic: Mouse Skin contact 2 Years positive Sufficient evide ethoxylated: Rat Ingestion 2 Years 	
Carci May o Comj Diazi Speci Applic Expos Resu Carci ment Speci Applic Expos Resu Carci ment Carci Ment Carci Ment Carci Ment	inogenicity cause cancer. ponents: non: ies cation Route sure time lt nogenicity - Assess- ent naphtha (petroleu ies cation Route sure time lt nogenicity - Assess- nylphenol, branched, ies cation Route sure time lt	 Rat Ingestion 104 weeks negative Sufficient evide m), light aromatic: Mouse Skin contact 2 Years positive Sufficient evide ethoxylated: Rat Ingestion 2 Years negative 	





ersion I	Revision Date: 06.04.2024		0S Number: 292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
7-Oxa	abicyclo[4.1.0]hept-3-	-ylme	thyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:
Expos	cation Route sure time	:	Mouse Skin contact 29 Months	
Resul	t	:	negative	
•	oductive toxicity assified based on ava	ilable	information.	
Comp	oonents:			
Diaziı	non:			
Effect	s on fertility	:	Test Type: Thre Species: Rat Application Rou Result: negative	
Effect ment	s on foetal develop-	:	Test Type: Emb Species: Rat Application Rou Result: negative	
Solve	ent naphtha (petroleu	m). li	oht aromatic:	
	s on fertility	:	Test Type: Rep test Species: Rat	roduction/Developmental toxicity scree te: inhalation (vapour)
Effect ment	s on foetal develop-	:	Species: Rat	ryo-foetal development te: inhalation (vapour)
7-Oxa	abicyclo[4.1.0]hept-3-	-ylme	thyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:
Effect ment	s on foetal develop-	:	Species: Rat Application Rou	Test Guideline 414
	- single exposure ause drowsiness or di			

Causes damage to organs (Nervous system).



rsion	Revision Date: 06.04.2024	SDS Number: 11292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
_			
<u>Comp</u>	oonents:		
Diazi	non:		
	sure routes	: Ingestion	
•	et Organs ssment		ce significant health effects in animals at co 00 mg/kg bw or less.
Solve	ent naphtha (petrole	um), light aromatic:	
Asses	ssment	: May cause drow	siness or dizziness.
стот	- repeated exposur	e	
	ause damage to orga		asal cavity) through prolonged or repeated e
<u>Comp</u>	oonents:		
Diazi	non:		
	sure routes	: Ingestion	
	et Organs ssment	: Nervous system	
A5563	Sillen		ce significant health effects in animals at co I0 to 100 mg/kg bw.
7-0xa	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicycl	o[4.1.0]heptane-3-carboxylate:
	sure routes	: Ingestion	
Targe	et Organs	: nasal cavity	
Asses	ssment		ce significant health effects in animals at co 0 to 100 mg/kg bw.
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
Diazi	non:		
Speci		: Rat	
NOAE		: 0.3 mg/kg	
LOAE	cation Route	: 15 mg/kg : Ingestion	
	sure time	: 90 Days	
Speci		: Rat	
NOAE		: 0.1 mg/l	
LOAE	L cation Route	: 0.75 mg/l : inhalation (dust/	mist/fume)
	sure time	: 28 Days	nioviditioj
	ent naphtha (petrole		
Speci	~~	: Rat	





Version 1.1	Revision Date: 06.04.2024		DS Number: 292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
			500 m n/l+n	
LOAE	L ation Route	÷	500 mg/kg Ingestion	
	sure time	:	28 Days	
4-Non	ylphenol, branched,	etho	xylated:	
Specie	es	:	Rat	
LOAE		:	> 100 mg/kg	
	ation Route	:	Ingestion	
Expos Rema	sure time	÷	90 Days Based on data fi	rom similar materials
Rema		•	Dased on data n	
		ylme		o[4.1.0]heptane-3-carboxylate:
Specie NOAE		÷	Rat 5 mg/kg	
LOAE			50 mg/kg	
	ation Route	:	Ingestion	
	sure time	:	90 Days	
Metho	d	:	OECD Test Guid	deline 408
Aspira	ation toxicity			
-	e fatal if swallowed and	d en	ers airways	
	onents:			
Solve	nt naphtha (petroleur	n), l i	ght aromatic:	
	ubstance or mixture is d as if it causes a huma			n aspiration toxicity hazards or has to be re- azard.
Exper	ience with human ex	posi	ıre	
<u>Comp</u>	onents:			
Diazin	ion:			
Inhala	tion	:	Symptoms: carc	inogenic effects
Section 12	2: Ecological informat	ion		
Ecoto	xicity			
<u>Comp</u>	onents:			
Diazin	ion:			
	ty to fish		LC50 (Opcorbur	chus mykiss (rainbow trout)): 0.09 mg/l
		•	Exposure time: 9	
	ty to daphnia and othe	r :		hnia dubia (water flea)): 0.000164 mg/l
aquati	c invertebrates		Exposure time: 4	48 h





rsion	Revision Date: 06.04.2024		0S Number: 292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
Toxic icity)	ity to fish (Chronic tox-	:	NOEC (Pimephal Exposure time: 34	es promelas (fathead minnow)): 0.092 mg/ ł d
aquat	ity to daphnia and other ic invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 2 ²	nagna (Water flea)): 0.00017 mg/l I d
ic toxi M-Fa toxicit	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 ic invertebrates	:	Exposure time: 48	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
4-Nor	nylphenol, branched, e	tha	xvlated:	
	ity to fish		LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): > 0.1 - 1 m 5 h on data from similar materials
	ity to daphnia and other ic invertebrates	:	Exposure time: 48	nia dubia (water flea)): > 0.1 - 1 mg/l 3 h on data from similar materials
Toxic plants	ity to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T	
			EC10 (Selenastru Exposure time: 72	m capricornutum (green algae)): > 1 mg/l 2 h



rsion	Revision Date: 06.04.2024	-		ate of last issue: 07.11.2023 ate of first issue: 07.11.2023
			Method: OECD Test Remarks: Based on	Guideline 201 data from similar materials
	ctor (Acute aquatic tox-	:	1	
icity) Toxici icity)	ty to fish (Chronic tox-	:	Exposure time: 100 d	es (Japanese medaka)): > 0.1 - 1 mg/l d data from similar materials
	ty to daphnia and other ic invertebrates (Chron- city)	:	mg/l Exposure time: 28 d	oahia (opossum shrimp)): > 0.001 - 0.01 data from similar materials
M-Fac toxicit	ctor (Chronic aquatic v)	:	10	
		Ime	hyl 7-oxabicyclo[4.1	I.0]heptane-3-carboxylate:
Toxici	ty to fish	:	LC50 (Oncorhynchus Exposure time: 96 h Method: OECD Test	s mykiss (rainbow trout)): 24 mg/l Guideline 203
	ty to daphnia and other ic invertebrates	:	EC50 (Daphnia mag Exposure time: 48 h Method: OECD Test	na (Water flea)): 40 mg/l Guideline 202
Toxici plants	ty to algae/aquatic	:	ErC50 (Raphidocelis 110 mg/l Exposure time: 72 h Method: OECD Test	subcapitata (freshwater green alga)): > Guideline 201
			NOEC (Raphidocelis mg/l Exposure time: 72 h Method: OECD Test	s subcapitata (freshwater green alga)): 3 Guideline 201
Toxici	ty to microorganisms	:	EC10 (activated slud Exposure time: 3 h Method: OECD Test	
Persis	stence and degradabili	ity		
<u>Com</u> p	oonents:			
	nt naphtha (petroleum), lic	ht aromatic:	
	gradability	:	Result: Inherently bio Biodegradation: 94 Exposure time: 25 d	
4-Non	ylphenol, branched, e	tho	vlated:	
	gradability	:	Result: Not readily bi	iodegradable. data from similar materials





rsion	Revision Date: 06.04.2024	SDS Number: 11292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
7-0xa	bicyclo[4 1 0]bent-3	-vlmethyl 7-oxabicy	clo[4.1.0]heptane-3-carboxylate:
	gradability		adily biodegradable.
		Biodegradatio Exposure time	
			D Test Guideline 301B
Bioac	cumulative potentia	I	
Comp	oonents:		
Diazir	non:		
Bioac	cumulation		inus carpio (Carp) ion factor (BCF): 46.9
	on coefficient: n- ol/water	: log Pow: 3.69	
4-Nor	ylphenol, branched	, ethoxylated:	
	on coefficient: n- ol/water	: log Pow: < 4	
			clo[4.1.0]heptane-3-carboxylate:
	on coefficient: n- ol/water	: log Pow: 1.34 Method: OEC	D Test Guideline 107
Mobil	ity in soil		
No da	ta available		
Other	adverse effects		
No da	ta available		
ction 13	3: Disposal conside	ations	
Dispo	sal methods		
Waste	e from residues		e of waste into sewer.
Conta	minated packaging	•	accordance with local regulations. ers should be taken to an approved waste har
		dling site for re	ecycling or disposal. e specified: Dispose of as unused product.
ction 14	I: Transport informa	tion	
	•		

UNRTDG UN number	-	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diazinon, 4-Nonylphenol, branched, ethoxylated)





/ersion .1	Revision Date: 06.04.2024		DS Number: 292231-00002	Date of last issue: 07.11.2023 Date of first issue: 07.11.2023
Class		÷	9	
Labels	ng group	÷	 9	
	onmentally hazardous	:	9 yes	
	-	•	yes	
	-			
UN/ID		÷	UN 3082	horordovic overtexas liquid a s
	r shipping name	:	(Diazinon, 4-Nor	hazardous substance, liquid, n.o.s. nylphenol, branched, ethoxylated)
Class		:	9	
	ng group	÷		
Labels	-	÷	Miscellaneous 964	
aircraf	ng instruction (cargo	•	904	
	ng instruction (passen-		964	
ger ai		•		
	onmentally hazardous	:	yes	
IMDG	-Code			
UN nu		:	UN 3082	
	r shipping name	÷		ALLY HAZARDOUS SUBSTANCE, LIQUID
•			N.O.S.	
				ylphenol, branched, ethoxylated)
Class		:	9	
	ng group	:		
Labels		÷	9	
EmS (÷	F-A, S-F	
	e pollutant	•	yes	
Trans	port in bulk according	g to	Annex II of MARF	POL 73/78 and the IBC Code
Not ap	oplicable for product as	sup	plied.	
Natio	nal Regulations			
itatio				

NZS 5433 UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diazinon, 4-Nonylphenol, branched, ethoxylated)
Class	:	9
Packing group	:	III
Labels	:	9
Hazchem Code	:	3Z
Marine pollutant	:	yes

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.



Version	Revision Date:	SDS Number:	Date of last issue: 07.11.2023
1.1	06.04.2024	11292231-00002	Date of first issue: 07.11.2023

Section 15: Regulatory information

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

HSNO Approval Number

HSR100759 Veterinary Medicines Non dispersive Open System Application Group Standard

Tolerable Exposure Limits (TEL) Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

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

Section 16: Other information

Revision Date		06.04.2024			
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 Agency, http://echa.europa.eu/			
Date format	:	dd.mm.yyyy			
Full text of other abbreviations					
ACGIH ACGIH BEI NZ BEI NZ OEL	:	USA. ACGIH Threshold Limit Values (TLV) ACGIH - Biological Exposure Indices (BEI) New Zealand. Biological Exposure Indices New Zealand. Workplace Exposure Standards for Atmospher- ic Contaminants			
ACGIH / TWA NZ OEL / WES-TWA NZ OEL / WES-STEL	:	8-hour, time-weighted average Workplace Exposure Standard - Time Weighted average Workplace Exposure Standard - Short-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

SAFETY DATA SHEET



Diazinon (47%) Liquid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 07.11.2023
1.1	06.04.2024	11292231-00002	Date of first issue: 07.11.2023

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.

NZ / EN