according to GB/T 16483 and GB/T 17519



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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Diazinon Formulation				
Manufacturer or supplier's de	etai	ils				
Company	:	MSD				
Address	:	No. 485 Jing Tai Road Pu Tuo District - Shanghai - China 200331				
Telephone	:	+1-908-740-4000				
Emergency telephone number	:	86-571-87268110				
E-mail address	:	EHSDATASTEWARD@msd.com				
Recommended use of the chemical and restrictions on use						
Recommended use Restrictions on use	:	Veterinary product Not applicable				

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Colour Odour	:	liquid yellow characteristic		
Harmful if swallowed. May be fatal if swallowed and enters airways. May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.				
GHS Classification				
Acute toxicity (Oral)	:	Category 4		
Acute toxicity (Dermal)	:	Category 5		
Skin corrosion/irritation	:	Category 2		
Serious eye damage/eye irri- tation	:	Category 1		
Skin sensitisation	:	Category 1		

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	Germ c	ell mutagenicity	:	Category 1B	
	Carcinc	ogenicity	:	Category 1B	
	Reprod	uctive toxicity	:	Category 2	
		c target organ toxicity - exposure	:	Category 1	
		c target organ toxicity - exposure	:	Category 3	
		c target organ toxicity - ed exposure	:	Category 2	
	Aspirati	ion hazard	:	Category 1	
	Short-te hazard	erm (acute) aquatic	:	Category 1	
	Long-te hazard	erm (chronic) aquatic	:	Category 1	
	GHS la	bel elements			
	Hazard	pictograms	:		
	Signal v	word	:	Danger	• • •
	Hazard	statements	:	H313 May be ha H315 Causes ski H317 May cause H318 Causes se H336 May cause H340 May cause H350 May cause H361 Suspected H370 Causes da H373 May cause peated exposure	al if swallowed and enters airways. rmful in contact with skin. in irritation. an allergic skin reaction. rious eye damage. drowsiness or dizziness. genetic defects. cancer. of damaging fertility or the unborn child. mage to organs. damage to organs through prolonged or re-
	Precaut	tionary statements	:		cial instructions before use. dle until all safety precautions have been read

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	P264 Wash ski P270 Do not ea P271 Use only P272 Contamir the workplace. P273 Avoid rele	reathe mist or vapours. n thoroughly after handling. at, drink or smoke when using this product. outdoors or in a well-ventilated area. hated work clothing should not be allowed out ease to the environment. htective gloves/ protective clothing/ eye protec- ction.
	CENTER/ doct P302 + P352 IF P304 + P340 + and keep comf doctor if you fe P305 + P351 + water for sever and easy to do CENTER/ doct P308 + P311 IF CENTER/ doct P331 Do NOT P333 + P313 If vice/ attention.	 ON SKIN: Wash with plenty of water. P312 IF INHALED: Remove person to fresh a ortable for breathing. Call a POISON CENTER el unwell. P338 + P310 IF IN EYES: Rinse cautiously wal minutes. Remove contact lenses, if present. Continue rinsing. Immediately call a POISON or. exposed or concerned: Call a POISON or. skin irritation or rash occurs: Get medical ad-rake off contaminated clothing and wash it before
	Storage: P405 Store loc	ked up.
	Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste

Harmful if swallowed. May be harmful in contact with skin. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause drows-iness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Environmental hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Other hazards which do not result in classification

None known.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Diazinon	333-41-5	>= 50 -< 70
Solvent naphtha (petroleum), light aromatic	64742-95-6	>= 20 -< 25
Nonylphenol, ethoxylated	9016-45-9	>= 20 -< 25
7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7- oxabicyclo[4.1.0]heptane-3-carboxylate	2386-87-0	>= 2.5 -< 10

4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice 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	:	•
If swallowed	:	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. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment

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Note	s to physician	:		l for exposure exists (see section 8). cally and supportively.
5. FIREFI	GHTING MEASURES			
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
Unsu medi	itable extinguishing a	:	None known.	
Spec fighti	ific hazards during fire- ng	:	Exposure to comb	oustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	Carbon oxides Nitrogen oxides (I Sulphur oxides Oxides of phosph	
Spec ods	ific 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
	ial protective equipment efighters	:		e, wear self-contained breathing apparatus. ective equipment.
6. ACCID	ENTAL RELEASE MEAS	SUF	RES	
Perso	onal precautions, protec-	:	Use personal prot	ective equipment.

tive equipment and emer- gency procedures	•	Follow safe handling advice (see section 7) and personal pro- tective 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.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor-

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		bent. Local or nationa	al regulations may apply to releases and dis-
			aterial, as well as those materials and items

employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

7. HANDLING AND STORAGE

Handling		
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 vapours. 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 as- sessment 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.
Avoidance of contact	:	Oxidizing agents
Storage		
Conditions for safe storage	:	Keep in properly labelled 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
Packaging material	:	Unsuitable material: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Diazinon	333-41-5	TWA (Inhal- able fraction and vapor)	0.01 mg/m3	ACGIH



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Solvent naphtha (petroleum),	64742-95-6	TWA	200 mg/m3	ACGIH
light aromatic			(total hydrocarbon	
			vapor)	

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	tecl less All des pro Cor are the tair	hnologies to co s quick connect engineering co sign and opera tect products, ntainment tech required to co	ontrol airborr ctions). ontrols should ted in accord workers, and nologies sui ontrol at sour uncontrolled).	the concentri d be impler dance with d the enviro table for co ce and to p	d manufacturir rations (e.g., d mented by faci GMP principle onment. ontrolling comp prevent migrati ., open-face co	rip- lity s to oounds on of
Personal protective equ	ipment					
Respiratory protection Filter type Eye/face protection Skin and body protection	sur om Cor We If th mis We pot aer : Wo Ado	e assessment mended guide mbined particu ar safety glass he work enviro sts or aerosols ar a faceshiek ential for direc osols. rk uniform or l ditional body g	demonstrate lines, use re lates and or ses with side nment or act , wear the ap d or other full t contact to t aboratory co arments sho	es exposure spiratory p ganic vapo shields or ivity involve propriate g l face prote he face wit at. uld be use	ur type goggles. es dusty condi	rec- tions, s a , or the
Hand protection	pos Use cor	sable suits) to a ppropriate on taminated clo	avoid expose degowning te thing.	ed skin sur		
Material	: Che	emical-resistar	nt gloves			
Remarks Hygiene measures	: If e		emical is like		pical use, prov s close to the v	

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ing place.

use of administrative controls.

When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the

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
Relative density	:	No data available
Density	:	1,030 - 1,090 g/cm ³
Solubility(ies) Water solubility	:	No data available

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Do	rtition coefficient: n-		Not applicable		
	tanol/water	·	Not applicable		
Au	to-ignition temperature	:	No data available)	
De	composition temperature	:	No data available)	
Vis	scosity Viscosity, kinematic	:	No data available)	
Ex	plosive properties	:	Not explosive		
Ox	idizing properties	:	The substance of	r mixture is not clas	sified as oxidizing.
Мс	blecular weight	:	No data available	9	
	rticle characteristics rticle size	:	Not applicable		

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity Harmful if swallowed. May be harmful in contact	with 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

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ersion .0	Revision Date: 2024/09/28	SDS Numbe 7699406-00	
<u>Com</u>	oonents:		
Diazi	non:		
Acute	oral toxicity	: LD50 (R	at): 1,139 mg/kg
Acute	inhalation toxicity	Exposur	at): > 5.437 mg/l e time: 4 h losphere: dust/mist
Acute	e dermal toxicity	: LD50 (R	abbit): > 2,020 mg/kg
II Solve	ent naphtha (petrole	um), light arom	atic:
	oral toxicity		at): > 5,000 mg/kg
Acute	inhalation toxicity	Exposur	at): > 5.61 mg/l e time: 4 h losphere: vapour
Acute	e dermal toxicity	: LD50 (R	abbit): > 2,000 mg/kg
Nony	Iphenol, ethoxylated	1:	
Acute	e oral toxicity	: LD50 (R	at): 500 - 2,000 mg/kg
7-Oxa	abicyclo[4.1.0]hept-3	-ylmethyl 7-ox	abicyclo[4.1.0]heptane-3-carboxylate:
Acute	e oral toxicity		at, male): > 2,959 - 5,000 mg/kg OECD Test Guideline 401
Acute	inhalation toxicity	Exposur Test atm Method:	at): >= 5.19 mg/l e time: 4 h losphere: dust/mist OECD Test Guideline 436 hent: The substance or mixture has no acute inhala- sity
Acute	e dermal toxicity	Method:	at): > 2,000 mg/kg OECD Test Guideline 402 nent: The substance or mixture has no acute dermal
-	corrosion/irritation es skin irritation.		
Comp	oonents:		
Diazi			
Speci Resul		: Rabbit : Mild skir	

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Solvent naphtha (petroleum), light aromatic:

Species Method Result	: Rabbit
Method	: OECD Test Guideline 404
Result	: Skin irritation

Nonylphenol, ethoxylated:

Result Remarks	:	Skin irritation
Remarks	:	Based on national or regional regulation.

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

Species	: Ra	abbit
Species Method Result	: OI	ECD Test Guideline 404
Result	: No	o skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Solvent naphtha (petroleum), light aromatic:

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

Nonylphenol, ethoxylated:

Species	: Rabbit
Result	: Irreversible effects on the eye
Species Result Method	: OECD Test Guideline 405

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

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

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Components:

Diazinon:

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

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Resu	lt	: negative	
Solve	ent naphtha (petroleu	ım), light aromatic:	
Test		: Buehler Test	
	sure routes	: Skin contact	
Speci		: Guinea pig	
Resu	It	: negative	
Nony	Iphenol, ethoxylated	:	
Test	Туре	: Maximisation	Test
	sure routes	: Skin contact	
Speci		: Guinea pig	
Resu		: negative	a from similar materials
Rema	IKS	. Based on data	a nom similar materials
7-0xa	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicy	clo[4.1.0]heptane-3-carboxylate:
Test		: Maximisation	Test
	sure routes	: Skin contact	
Speci		: Guinea pig	
Resu	It	: positive	
Asses	ssment	: Probability or	evidence of skin sensitisation in humans
Germ	cell mutagenicity		
	cause genetic defects.		
-	ponents:		
Diazi			
	toxicity in vitro	: Test Type: Ba Result: negati	cterial reverse mutation assay (AMES) ve
		Test Type: In Result: negat	vitro mammalian cell gene mutation test ve
		Test Type: Cł Result: negat	rromosome aberration test in vitro ve
Geno	toxicity in vivo	cytogenetic as Species: Rat	oute: Intraperitoneal injection
	i cell mutagenicity - ssment	: Positive resul genicity tests.	t(s) from in vivo mammalian somatic cell muta-

Solvent naphtha (petroleum), light aromatic:

according to GB/T 16483 and GB/T 17519



)	Revision Date: 2024/09/28	SDS Number: 7699406-00010	Date of last issue: 2024/04/06 Date of first issue: 2020/12/22
Geno	toxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative
		Test Type: I Result: posit	n vitro mammalian cell gene mutation test tive
Geno	toxicity in vivo	gonia Species: Mo	Route: Intraperitoneal injection
	cell mutagenicity -	: Positive resu tests in man	ult(s) from in vivo heritable germ cell mutagenic nmals
Nony	Iphenol, ethoxylated	d:	
Geno	toxicity in vitro	Result: nega	Bacterial reverse mutation assay (AMES) ative ased on data from similar materials
II 7-Oxa	abicyclo[4.1.0]hept-3	3-ylmethyl 7-oxabio	cyclo[4.1.0]heptane-3-carboxylate:
	abicyclo[4.1.0]hept-3 toxicity in vitro	: Test Type: E	cyclo[4.1.0]heptane-3-carboxylate: Bacterial reverse mutation assay (AMES) CD Test Guideline 471 tive
		: Test Type: E Method: OE Result: posit	Bacterial reverse mutation assay (AMES) CD Test Guideline 471 tive n vitro mammalian cell gene mutation test
		: Test Type: E Method: OE Result: posit Test Type: I Result: posit	Bacterial reverse mutation assay (AMES) CD Test Guideline 471 tive n vitro mammalian cell gene mutation test tive n vitro sister chromatid exchange assay in mam
		: Test Type: E Method: OE Result: posit Test Type: In Result: posit Test Type: In malian cells Result: posit Test Type: E	Bacterial reverse mutation assay (AMES) CD Test Guideline 471 tive n vitro mammalian cell gene mutation test tive n vitro sister chromatid exchange assay in mam tive DNA damage and repair, unscheduled DNA syn mmalian cells (in vitro)
Geno		 Test Type: E Method: OE Result: posit Test Type: It Result: posit Test Type: It malian cells Result: posit Test Type: E thesis in ma Result: posit Test Type: U mammalian Species: Ra Application I 	Bacterial reverse mutation assay (AMES) CD Test Guideline 471 tive n vitro mammalian cell gene mutation test tive n vitro sister chromatid exchange assay in marr tive DNA damage and repair, unscheduled DNA syn mmalian cells (in vitro) tive Jnscheduled DNA synthesis (UDS) test with liver cells in vivo t Route: Ingestion CD Test Guideline 486
Geno	toxicity in vitro	 Test Type: E Method: OE Result: positi Test Type: In Result: positi Test Type: In malian cells Result: positi Test Type: D thesis in ma Result: positi Test Type: L mammalian Species: Ra Application I Method: OE Result: nega Test Type: N Species: Mo 	Bacterial reverse mutation assay (AMES) CD Test Guideline 471 tive n vitro mammalian cell gene mutation test tive n vitro sister chromatid exchange assay in marr tive DNA damage and repair, unscheduled DNA syn mmalian cells (in vitro) tive Unscheduled DNA synthesis (UDS) test with liver cells in vivo t Route: Ingestion CD Test Guideline 486 ative Micronucleus test buse Route: Intraperitoneal injection

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			Route: Ingestion CD Test Guideline 488
	cell mutagenicity - sment	: Positive resi genicity test	ult(s) from in vivo mammalian somatic cell muta- s.
	nogenicity		
May c	ause cancer.		
<u>Comp</u>	onents:		
Diazin	ion:		
Expos	ation Route ure time	: Rat : Ingestion : 104 weeks	
Result		: negative	
Carcin ment	ogenicity - Assess-	: Sufficient ev	vidence of carcinogenicity in animal experiments
Solve	nt naphtha (petroleu	m), light aromatio	:
	ation Route ure time	: Mouse : Skin contact : 2 Years : positive	t
Carcin ment	ogenicity - Assess-	: Sufficient ev	vidence of carcinogenicity in animal experiments
	bicyclo[4.1.0]hept-3-	ylmethyl 7-oxabio	cyclo[4.1.0]heptane-3-carboxylate:
Specie		: Mouse	
	ation Route	: Skin contact	I Contraction of the second
Expos Result	ure time	: 29 Months : negative	
	ductive toxicity		
•	cted of damaging ferti	lity or the unborn o	hild.
<u>Comp</u>	onents:		
Diazin	ion:		
Effects	s on fertility	Species: Ra	Route: Ingestion
Effects ment	s on foetal develop-	Species: Ra	Embryo-foetal development t Route: Ingestion
			/ 23

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sion	Revision Date: 2024/09/28	SDS Number: 7699406-00010	Date of last issue: 2024/04/06 Date of first issue: 2020/12/22
		Result: negative	e
Solve	ent naphtha (petroleu	um), light aromatic:	
Effec	ts on fertility	test Species: Rat	roduction/Developmental toxicity screening ute: inhalation (vapour) e
Effec ment	ts on foetal develop-	Species: Rat	oryo-foetal development ite: inhalation (vapour) e
Nony	Iphenol, ethoxylated	l:	
	oductive toxicity - As-	: Some evidence	of adverse effects on sexual function and on development, based on animal experimer
7-Ox	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicyc	lo[4.1.0]heptane-3-carboxylate:
Effec ment	ts on foetal develop-	Species: Rat Application Rou	Test Guideline 414
May	Γ - single exposure cause drowsiness or c es damage to organs.	lizziness.	
<u>Com</u>	ponents:		
Diazi	non:		
Targe	sure routes et Organs ssment		n ıce significant health effects in animals at co 00 mg/kg bw or less.
Solve	ent naphtha (petroleu	um), light aromatic:	
	ssment		wsiness or dizziness.
STO	- ropostod ovposur	2	
	F - repeated exposure cause damage to organ	e Ins through prolonged (or repeated exposure.
	ponents:	ine un eugri preiengeur	
Com	non:		
Com Diazi Expo	non: sure routes et Organs	: Ingestion : Nervous system	n

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ersion .0	Revision Date: 2024/09/28	SDS Number: 7699406-00010	Date of last issue: 2024/04/06 Date of first issue: 2020/12/22
Asses	ssment		duce significant health effects in animals at con- >10 to 100 mg/kg bw.
Nony	Iphenol, ethoxylated	:	
Asses	ssment	: May cause da exposure.	mage to organs through prolonged or repeated
Rema	arks		onal or regional regulation.
7-0xa	abicyclo[4.1.0]hept-3	-ylmethyl 7-oxabicy	clo[4.1.0]heptane-3-carboxylate:
	sure routes	: Ingestion	
	et Organs	: nasal cavity	
Asses	ssment		duce significant health effects in animals at con >10 to 100 mg/kg bw.
-	ated dose toxicity		
	ponents:		
Diazi			
Speci		: Rat	
NOAE LOAE		: 0.3 mg/kg	
	cation Route	: 15 mg/kg : Ingestion	
	sure time	: 90 Days	
Speci	ies	: Rat	
NOAI		: 0.1 mg/l	
LOAE		: 0.75 mg/l	
	cation Route	: inhalation (due	st/mist/fume)
II Expo	sure time	: 28 Days	
	ent naphtha (petroleu		
Speci		: Rat	
LOAE		: 500 mg/kg	
	cation Route sure time	: Ingestion : 28 Days	
IIExho:		. 20 Days	
		-ylmethyl 7-oxabicy	clo[4.1.0]heptane-3-carboxylate:
Speci		: Rat	
NOA	EL	: 5 mg/kg	

: 50 mg/kg
: Ingestion
: 90 Days
: OECD Test Guideline 408

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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:

	D	ia	zi	in	0	n	:
-							

Inhalation

: Symptoms: carcinogenic effects

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Diazinon:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0.09 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): 0.000164 mg/l 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:
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 8.2 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction

Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202
Toxicity to algae/aquatic	:	EL50 (Pseudokirchneriella subcapitata (microalgae)): 3.1 mg/l

according to GB/T 16483 and GB/T 17519



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plants				6 h Nater Accommodated Fraction rest Guideline 201
			mg/l Exposure time: 9 Test substance: \	kirchneriella subcapitata (microalgae)): 0.5 6 h Nater Accommodated Fraction rest Guideline 201
	y to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 2 Test substance: \	a magna (Water flea)): 2.6 mg/l 1 d Nater Accommodated Fraction rest Guideline 211
Nonyl _i	phenol, ethoxylated:			
Toxicit	y to fish	:	Exposure time: 9	es promelas (fathead minnow)): > 0.1 - 1 m 6 h on data from similar materials
	y to daphnia and other c invertebrates	:	Exposure time: 4	nia dubia (water flea)): > 0.1 - 1 mg/l 8 h on data from similar materials
Toxicit plants	y to algae/aquatic	:	mg/l Exposure time: 7 Method: OECD T	rum capricornutum (green algae)): > 1 - 10 2 h est Guideline 201 on data from similar materials
			Exposure time: 7 Method: OECD T	um capricornutum (green algae)): > 1 mg/l 2 h ïest Guideline 201 on data from similar materials
M-Fac icity)	tor (Acute aquatic tox-	:	1	
	y to fish (Chronic tox-	:	Exposure time: 1	atipes (Japanese medaka)): > 0.1 - 1 mg/l 00 d on data from similar materials
	y to daphnia and other c invertebrates (Chron- sity)	:	mg/l Exposure time: 2	is bahia (opossum shrimp)): > 0.001 - 0.0 ⁻ 8 d on data from similar materials
M-Fac toxicity	tor (Chronic aquatic	:	10	

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l

according to GB/T 16483 and GB/T 17519



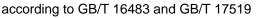
ersion .0	Revision Date: 2024/09/28	-	99406-00010	Date of last issue: 2024/04/06 Date of first issue: 2020/12/22
			Exposure time: 9 Method: OECD T	6 h est Guideline 203
	ity to daphnia and other tic invertebrates	:	Exposure time: 4	nagna (Water flea)): 40 mg/l 8 h est Guideline 202
Toxic plants	ity to algae/aquatic s	:	110 mg/l Exposure time: 7	elis subcapitata (freshwater green alga)): > 2 h est Guideline 201
			mg/l Exposure time: 7	elis subcapitata (freshwater green alga)): 30 2 h est Guideline 201
Toxic	ity to microorganisms	:	EC10 (activated s Exposure time: 3 Method: OECD T	
Persi	istence and degradabil	ity		
<u>Com</u>	ponents:			
	ent naphtha (petroleun egradability	1), li :	ght aromatic: Result: Inherently Biodegradation:	
			Exposure time: 2	
 Nonv	/lphenol. ethoxylated:		Exposure time: 2	
	/lphenol, ethoxylated: egradability	:	Result: Not readi	5 d
Biode	egradability	: /Ime	Result: Not readi Remarks: Based	5 d y biodegradable.
Biode 7-Oxa	egradability	: Ime :	Result: Not readi Remarks: Based thyl 7-oxabicyclo Result: Not readi Biodegradation: Exposure time: 2	5 d y biodegradable. on data from similar materials [4.1.0]heptane-3-carboxylate: y biodegradable. 71 %
Biode 7-Oxa Biode	abicyclo[4.1.0]hept-3-y	: Ime	Result: Not readi Remarks: Based thyl 7-oxabicyclo Result: Not readi Biodegradation: Exposure time: 2	5 d y biodegradable. on data from similar materials [4.1.0]heptane-3-carboxylate: y biodegradable. 71 % 8 d
Biode 7-Oxa Biode Bioad	egradability abicyclo[4.1.0]hept-3-y egradability	: 'Ime :	Result: Not readi Remarks: Based thyl 7-oxabicyclo Result: Not readi Biodegradation: Exposure time: 2	5 d y biodegradable. on data from similar materials [4.1.0]heptane-3-carboxylate: y biodegradable. 71 % 8 d
Biode 7-Oxa Biode Bioac <u>Com</u> Diazi	egradability abicyclo[4.1.0]hept-3-y egradability ccumulative potential <u>ponents:</u> non:	: Ime :	Result: Not readi Remarks: Based thyl 7-oxabicyclo Result: Not readi Biodegradation: Exposure time: 2 Method: OECD T	5 d y biodegradable. on data from similar materials [4.1.0]heptane-3-carboxylate: y biodegradable. 71 % 8 d est Guideline 301B
Biode 7-Oxa Biode Bioac <u>Com</u> Diazi	egradability abicyclo[4.1.0]hept-3-y egradability ccumulative potential ponents:	: 'Ime :	Result: Not readi Remarks: Based thyl 7-oxabicyclo Result: Not readi Biodegradation: Exposure time: 2 Method: OECD T	5 d y biodegradable. on data from similar materials [4.1.0]heptane-3-carboxylate: y biodegradable. 71 % 8 d est Guideline 301B

according to GB/T 16483 and GB/T 17519



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octar	ol/water		
	/Iphenol, ethoxylated:		
Partit	ion coefficient: n- nol/water	: log Pow: 4.48	
7-0x	abicvclo[4.1.0]hept-3-	vlmethvl 7-oxabic	clo[4.1.0]heptane-3-carboxylate:
Partit	ion coefficient: n- nol/water	: log Pow: 1.34	
Mobi	lity in soil		
No da	ata available		
Othe	r adverse effects		
	ata available		
13. DISPO	OSAL CONSIDERATIO	NS	
-	osal methods		
Wast	e from residues		e of waste into sewer.
Conta	aminated packaging	: Empty contain dling site for r	accordance with local regulations. ners should be taken to an approved waste han- ecycling or disposal. se specified: Dispose of as unused product.
14. TRAN	SPORT INFORMATIO	N	
Inter	national Regulations		
UNR	TDG		
	umber	: UN 3082	
Prop	er shipping name	: ENVIRONME N.O.S. (Diazinon)	NTALLY HAZARDOUS SUBSTANCE, LIQUID,
Class	8	: 9	

		(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





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IMDG-Code

UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
		(Diazinon)
Class	:	9
Packing group	:	III
Labels	:	9
EmS Code	:	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.

National Regulations

GB 6944/12268

UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diazinon)
Class	:	9
Packing group	:	
Labels	:	9
Marine pollutant	:	no

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.

15. REGULATORY INFORMATION

National regulatory information Law on the Prevention and Control of Occupational Diseases

Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals :	This product is not listed in the cata- logue of hazardous chemicals, but it meets the definition of hazardous chemicals and its principles of de- termination.
Identification of Major Hazard Installations for Hazardous C 18218)	Chemicals (GB : Not listed
Hazardous Chemicals for Priority Management under : SAWS	Listed

according to GB/T 16483 and GB/T 17519



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Regulations on Labour Protection in Workplaces where Toxic Substances are Used								
Ca	atalogue of Highly Toxic Che	emi	Cais	: Not listed				
	egulation of Environmenta Id Export of Toxic Chemic			e First Import of Chemicals and the Import				
	nina Severely Restricted To: d Export	xic (Chemicals for Impo	ort : Not listed				
Regulation on the Administration of Precursor Chemicals								
Ca	Catalogue and Classification of Precursor Chemicals : Not listed							
Ya	Yangtze River Protection Law							
Th	This product does not contain any dangerous chemicals prohibited for inland river transport.							
	e components of this pro	duo	•	the following inventories:				
DS	SL .	:	not determined					
Al	CS	:	not determined					
IE	CSC	:	not determined					
16. OT	HER INFORMATION							
Re	evision Date	:	2024/09/28					
Fu	urther information							
CO	ources of key data used to mpile the Safety Data neet	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/				
	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.							
Da	ate format	:	yyyy/mm/dd					
Fu	Ill text of other abbreviation	ons						
	CGIH CGIH BEI	:		eshold Limit Values (TLV) al Exposure Indices (BEI)				
AC	CGIH / TWA	:	8-hour, time-weig	hted average				

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 Sys-

according to GB/T 16483 and GB/T 17519



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tem: 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

Disclaimer

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.

CN / EN