



according to the Globally Harmonized System

Dichlofenthion Formulation

Version	Revision Date: 28.09.2024	SDS Number:	Date of last issue: 30.09.2023
6.0		1560318-00016	Date of first issue: 14.04.2017
1. PRODU	CT AND COMPANY	IDENTIFICATION	

Product name	:	Dichlofenthion Formulation
Manufacturer or supplier's de Company	eta :	ils MSD
Address	:	Briahnager - Off Pune Nagar Road Wagholi - Pune - India 412 207
Telephone	:	+1-908-740-4000
Emergency telephone number	:	+1-908-423-6000
E-mail address	:	EHSDATASTEWARD@msd.com
Recommended use of the ch	em	ical and restrictions on use
Recommended use Restrictions on use	:	Veterinary product Not applicable

2. HAZARDS IDENTIFICATION

Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

Classification Highly flammable liquids GHS Classification		
Flammable liquids	:	Category 3
Acute toxicity (Oral)	:	Category 4
Acute toxicity (Dermal)	:	Category 5
Skin corrosion/irritation	:	Sub-category 1B
Serious eye damage/eye irri- tation	:	Category 1
Skin sensitisation	:	Category 1
Germ cell mutagenicity	:	Category 2
Carcinogenicity (Oral)	:	Category 1A
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 1 (Nervous system)



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Specific ta single exp	arget organ toxicity - osure	:	Category 3	
Specific ta repeated e	arget organ toxicity - exposure	:	Category 2 (Ne	rvous system, Respiratory Tract)
Aspiration	hazard	:	Category 1	
Short-term hazard	n (acute) aquatic	:	Category 1	
Long-term hazard	ı (chronic) aquatic	:	Category 1	
GHS labe	l elements			
Hazard pi	ctograms	:		
Signal wo	rd	:	Danger	• • • •
Hazard st	atements	:	H302 Harmful ii H304 May be fa H313 May be h H314 Causes s H317 May caus H335 May caus H341 Suspecte H350 May caus H361d Suspect H370 Causes of H373 May caus tory Tract) throu	le liquid and vapour. f swallowed. atal if swallowed and enters airways. armful in contact with skin. evere skin burns and eye damage. se an allergic skin reaction. d of causing genetic defects. se cancer if swallowed. eed of damaging the unborn child. lamage to organs (Nervous system). se damage to organs (Nervous system, Respira- ugh prolonged or repeated exposure. c to aquatic life with long lasting effects.
Precaution	nary statements	:	P210 Keep awa and other ignition P260 Do not br P264 Wash har P270 Do not ea P271 Use only P272 Contamin the workplace. P273 Avoid rele P280 Wear pro- tion/ face proteon Response:	nds thoroughly after handling. at, drink or smoke when using this product. outdoors or with adequate ventilation. hated work clothing should not be allowed out of ease to the environment. tective gloves/ protective clothing/ eye protec-



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		diately. P302 + P361 + all contaminate eral minutes. O P304 + P340 + and keep comi help immediate P305 + P354 + with water for s sent and easy help immediate P308 + P316 I cal help immed P331 Do NOT P333 + P317 I	 P338 + P316 IF IN EYES: Immediately rinse several minutes. Remove contact lenses, if pre- to do. Continue rinsing. Get emergency medical ely. F exposed or concerned: Get emergency medi- diately. induce vomiting. f skin irritation or rash occurs: Get medical help. Take off contaminated clothing and wash it before spillage.
		Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste

Other hazards which do not result in classification

Vapours may form explosive mixture with air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components		
Chemical name	CAS-No.	Concentration (% w/w)
Tar, wood	91722-33-7	>= 10 - < 20
Rosin	8050-09-7	>= 10 - < 20
Tar, coal	8007-45-2	>= 10 - < 20
Ethylbenzene	100-41-4	>= 5 - < 10
Xylene	1330-20-7	>= 5 - < 10
Dichlofenthion (ISO)	97-17-6	>= 3 - < 5
Sodium hydroxide	1310-73-2	>= 2 - < 3
Phenol	108-95-2	>= 1 - < 2.5
m-Cresol	108-39-4	>= 1 - < 2.5
p-Cresol	106-44-5	>= 1 - < 2.5

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.

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lf inha	aled	:	If breathing is di	ve to fresh air. give artificial respiration. fficult, give oxygen. ention immediately.
In cas	e of skin contact	:	In case of conta for at least 15 m and shoes. Get medical atte Wash clothing b	ct, immediately flush skin with plenty of water inutes while removing contaminated clothing ention immediately.
In cas	se of eye contact	:	In case of conta for at least 15 m If easy to do, ren	ct, immediately flush eyes with plenty of wate inutes. nove contact lens, if worn.
lf swa	llowed	:	If swallowed, DO If vomiting occur Call a physician	ntion immediately. O NOT induce vomiting. or have person lean forward. or poison control centre immediately. proughly with water.
	important symptoms ffects, both acute and ed	:	Never give anyth Harmful if swalld May be fatal if s May be harmful May cause an a Causes serious May cause resp Suspected of ca May cause cano Suspected of da Causes damage	hing by mouth to an unconscious person. wed. wallowed and enters airways. in contact with skin. llergic skin reaction. eye damage. iratory irritation. using genetic defects. er if swallowed. maging the unborn child. to organs. age to organs through prolonged or repeated purns.
Prote	ction of first-aiders	:	First Aid respon and use the reco	ders should pay attention to self-protection, ommended personal protective equipment ial for exposure exists (see section 8).
Notes	to physician	:		tically and supportively.
. FIREFIC	GHTING MEASURES			
Suital	ble extinguishing media	:	Water spray Alcohol-resistan Carbon dioxide Dry chemical	
Unsui media	table extinguishing	:	High volume wa	ter jet
Speci fightir	fic hazards during fire- Ig	:	fire. Flash back poss Vapours may fo	id water stream as it may scatter and spread ible over considerable distance. rm explosive mixtures with air. nbustion products may be a hazard to health.
Hazai	rdous combustion prod-	:	Carbon oxides	

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uc Sp od	pecific	extinguishing meth-	:	cumstances and t Use water spray to	NOx) 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
		protective equipment ghters	:	In the event of fire Use personal prot	, wear self-contained breathing apparatus. ective equipment.
6. ACC		ITAL RELEASE MEAS	SUF	RES	
tiv	e equ	al precautions, protec- ipment and emer- rocedures	:		
Er	viron	mental 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 e of contaminated wash water. should be advised if significant spillages
		s and materials for ment and cleaning up	:	Suppress (knock of spray jet. For large spills, priment to keep mate be pumped, store Clean up remaining bent. Local or national riposal of this mate employed in the cimine which regular Sections 13 and 1	s should be used. absorbent material. down) gases/vapours/mists with a water ovide dyking or other appropriate contain- erial from spreading. If dyked material can recovered material in appropriate container. og materials from spill with suitable absor- egulations may apply to releases and dis- rial, as well as those materials and items leanup of releases. You will need to deter- tions are applicable. 5 of this SDS provide information regarding tional requirements.

7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE
		CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation. Use explosion-proof electrical, ventilating and lighting equip-
		ment.

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Advice on safe handling		Do not breather Do not swallow Do not get in e Wash skin thou Handle in accor practice, based sessment Non-sparking t Keep containe Already sensiti to asthma, alle should consult tory irritants or Keep away fro other ignition s Take precaution Do not eat, drive	yes. roughly after handling. roughly after handling. rdance with good industrial hygiene and safety d on the results of the workplace exposure as- ools should be used. r tightly closed. sed individuals, and those susceptible rgies, chronic or recurrent respiratory disease, their physician regarding working with respira-
Conc	litions for safe storage	Store locked u Keep tightly clo Keep in a cool Store in accord	
Mate	rials to avoid	: Do not store w Self-reactive s Organic peroxi Oxidizing ager Flammable gas Pyrophoric liqu Pyrophoric soli	ith the following product types: ubstances and mixtures des ts ses ids ds ubstances and mixtures

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Rosin	8050-09-7	TWA (Inhal- able particu- late matter)	0.001 mg/m3 (total Resin acids)	ACGIH
Ethylbenzene	100-41-4	TWA	20 ppm	ACGIH
Xylene	1330-20-7	TWA	100 ppm 435 mg/m3	IN OEL
		STEL	150 ppm 655 mg/m3	IN OEL
		TWA	20 ppm	ACGIH



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Dichlofenthion (ISO)	97-17-6	TWA	20 µg/m3 (OEB 3)	Internal
	Further inforr	nation: Skin		
		Wipe limit	200 µg/100 cm ²	Internal
Sodium hydroxide	1310-73-2	CEIL	2 mg/m3	IN OEL
		C	2 mg/m3	ACGIH
Phenol	108-95-2	TWA	5 ppm 19 mg/m3	IN OEL
			contribution to the ove ng mucous membran	
		TWA	5 ppm	ACGIH
m-Cresol	108-39-4	TWA	5 ppm 22 mg/m3	IN OEL
			contribution to the over	
		TWA (Inhal- able fraction and vapor)	20 mg/m3	ACGIH
p-Cresol	106-44-5	TWA	5 ppm 22 mg/m3	IN OEL
			contribution to the ove ng mucous membran	
		TWA (Inhal- able fraction and vapor)	20 mg/m3	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Ethylbenzene	100-41-4	Sum of mandelic acid and phenyl gly- oxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	150 mg/g creatinine	ACGIH BEI
Xylene	1330-20-7	Methylhip- puric acids	Urine	End of shift (As soon as possible after exposure ceases)	0.3 g/g cre- atinine	ACGIH BEI
Phenol	108-95-2	Phenol	Urine	End of shift (As soon as possible after exposure ceases)	250 mg/g creatinine	ACGIH BEI

Engineering measures

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-less

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		design and o protect produ Containment are required	ng controls should be implemented by facility operated in accordance with GMP principles to acts, workers, and the environment. technologies suitable for controlling compounds to control at source and to prevent migration of ad to uncontrolled areas (e.g., open-face contain- s).
		Use explosio ment.	on-proof electrical, ventilating and lighting equip-
Perso	onal protective equip	ment	
Fil	iratory protection Iter type protection	sure assessr ommended g	ocal exhaust ventilation is not available or expo- nent demonstrates exposures outside the rec- guidelines, use respiratory protection. articulates and organic vapour type
Ma	aterial	: Chemical-res	sistant gloves
	emarks protection	mable, which : Wear safety If the work en mists or aero Wear a faces	uble gloving. Take note that the product is flam- n may impact the selection of hand protection. glasses with side shields or goggles. nvironment or activity involves dusty conditions, pools, wear the appropriate goggles. shield or other full face protection if there is a
Skin a	and body protection	aerosols. : Work uniform Additional bo being perforr suits) to avoi	direct contact to the face with dusts, mists, or n or laboratory coat. ody garments should be used based upon the tas ned (e.g., sleevelets, apron, gauntlets, disposabl d exposed skin surfaces. iate degowning techniques to remove potentially
Hygie	ene measures	: If exposure to flushing syste place. When using Contaminate workplace. Wash contar The effective engineering appropriate o industrial hyg	o chemical is likely during typical use, provide ey ems and safety showers close to the working do not eat, drink or smoke. Ind work clothing should not be allowed out of the minated clothing before re-use. The operation of a facility should include review of controls, proper personal protective equipment, degowning and decontamination procedures, giene monitoring, medical surveillance and the histrative controls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: viscous liquid
Colour	: dark, brown

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	Odour		:	strong	
	Odour	Threshold	•	No data available)
	рН		:	Not applicable	
	Melting	point/freezing point	:	No data available)
	Initial b range	oiling point and boiling	:	No data available	9
	Flash p	point	:	30 °C	
	Evapor	ation rate	:	No data available	2
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	Not applicable	
		explosion limit / Upper bility limit	:	No data available	3
		explosion limit / Lower bility limit	:	No data available	9
	Vapour	pressure	:	No data available)
	Relative	e vapour density	:	No data available)
	Relative	e density	:	No data available)
	Density	,	:	1,009 - 1,051 g/c	m³ (20 °C)
	Solubili Wat	ty(ies) er solubility	:	No data available)
	Partitio octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosi Visc	ty cosity, kinematic	:	No data available)
	Explosi	ve properties	:	Not explosive	
	Oxidiziı	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Particle Particle	e characteristics e size	:	Not applicable	

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10. ST	TABIL	TY AND REACTIVITY	,			
C P		ity al stability ity of hazardous reac-	:	Stable under nor Flammable liquid Vapours may for		
ln H	ncomp	ons to avoid atible materials ous decomposition s	: : :	Heat, flames and Oxidizing agents No hazardous de	sparks. composition products are known.	
11. TC	OXICO	LOGICAL INFORMAT	101	1		
	nforma xposu	tion on likely routes of re	:	Inhalation Skin contact Ingestion Eye contact		
Н	larmfu	oxicity I if swallowed. harmful in contact with	n sk	in.		
<u>P</u>	roduc	<u>t:</u>				
A	cute o	ral toxicity	:	Acute toxicity esti Method: Calculati	mate: 1,450 mg/kg on method	
A	cute ir	halation toxicity	:	Acute toxicity esti Exposure time: 4 Test atmosphere: Method: Calculati	h vapour	
A	cute d	ermal toxicity	:	Acute toxicity esti Method: Calculati	mate: 3,724 mg/kg on method	
<u>c</u>	compo	nents:				
Т	ar, wo	od:				
A	cute o	ral toxicity	:	LD50 (Rat): > 2,00 Method: OECD To Assessment: The icity		
R	losin:					
A	cute o	ral toxicity	: LD50 (Rat): 2,800 mg/kg			
A	cute d	ermal toxicity	:	LD50 (Rat): > 2,0 Method: OECD To Assessment: The toxicity		

Tar, coal:

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Acut	e oral toxicity	:	LD50 (Rat): 1,700	0 mg/kg
Acute	e dermal toxicity	:	LD50 (Rabbit): >	5,000 mg/kg
Ethy	lbenzene:			
Acute	e oral toxicity	:	LD50 (Rat): 3,500	0 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): 17.8 Exposure time: 4 Test atmosphere	h
Acute	e dermal toxicity	:	LD50 (Rabbit): >	5,000 mg/kg
Xyle	ne:			
Acute	e oral toxicity	:	LD50 (Rat): 3,523 Method: Directive	3 mg/kg ∋ 67/548/EEC, Annex V, B.1.
Acute	e inhalation toxicity	:	LC50 (Rat): 27.5 Exposure time: 4 Test atmosphere	h
Acute	e dermal toxicity	:	LD50 (Rabbit): >	4,200 mg/kg
Dich	lofenthion (ISO):			
Acute	e oral toxicity	:	LD50 (Rat): 172 i	mg/kg
			LD50 (Rat): 270 i	mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): 1.75	mg/l
Acut	e dermal toxicity	:	LD50 (Rat): 355 i	mg/kg
			LD50 (Rabbit): 6,	000 mg/kg
Sodi	um hydroxide:			
Acute	e inhalation toxicity	:	Assessment: Cor	rosive to the respiratory tract.
Pher	nol:			
Acute	e oral toxicity	:	LD50 (Rat): 650 n Method: OECD T	mg/kg ēst Guideline 401
			Acute toxicity est Method: Expert ju	imate (Humans): 140 - 290 mg/kg udgement
Acut	e inhalation toxicity	:		h
88			. loate toxiony out	

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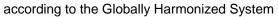


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			Exposure time: 4 Test atmosphere: Method: Expert ju	: dust/mist
Acute	e dermal toxicity	:	LD50 (Rabbit): 66 Method: OECD T Acute toxicity esti Method: Expert ju	est Guideline 402 mate (Humans): 300 mg/kg
m-Cr	asoli			
	e oral toxicity	:	LD50 (Rat): 121 r Remarks: Based	ng/kg on data from similar materials
Acute	inhalation toxicity	:	Assessment: Cor	rosive to the respiratory tract.
Acute	e dermal toxicity	:	LD50 (Rabbit): 30 Remarks: Based	01 mg/kg on data from similar materials
p-Cre	esol:			
Acute	e oral toxicity	:	LD50 (Rat): 172 -	250 mg/kg
Acute	e inhalation toxicity	:	Assessment: Cor	rosive to the respiratory tract.
Acute	e dermal toxicity	:	LD50 (Rabbit): 21	13 - 426 mg/kg
-	corrosion/irritation es severe burns.			
Com	ponents:			
	wood:			
Spec Metho	ies od	:	OECD Test Guide	nan epidermis (RhE) eline 439
Spec Metho	ies od	:	reconstructed hur OECD Test Guide	man epidermis (RhE) eline 431
Resu	lt	:	Skin irritation	
Rosii	n:			
Spec Metho Resu	bc	:	Rabbit OECD Test Guide No skin irritation	eline 404
Tar, o	coal:			
Spec Resu		:	Rabbit Mild skin irritation	
Xyler	ne:			

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Spec Resu	ies It	:	Rabbit Skin irritation	
Dich	lofenthion (ISO):			
Resu Rema	llt	:	Mild skin irritation Based on data	on from similar materials
Sodi Resu	um hydroxide: ^{Ilt}	:	Corrosive after	3 minutes or less of exposure
Phen Spec Resu	ies	:	Rabbit Corrosive after	3 minutes to 1 hour of exposure
m-Cr	resol:			
Spec Resu		:	Rabbit Corrosive after	3 minutes to 1 hour of exposure
p-Cre	esol:			
Spec Resu	ies It	:	Rabbit Corrosive after	3 minutes to 1 hour of exposure
	ous eye damage/eye ses serious eye damag		on	
<u>Com</u>	ponents:			
Tar,	wood:			
Resu	lt	:	Irritation to eyes	s, reversing within 7 days
Rosi	n:			
Spec Meth Resu	od	:	Rabbit OECD Test Gu No eye irritatior	
Tar, (Humon	
Spec Resu		:	Human Irreversible effe	ects on the eye
Xylei				
Spec Resu		:	Rabbit Irritation to eyes	s, reversing within 21 days
Sodi	um hydroxide:			
Resu Rema		:	Irreversible effe Based on skin o	





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Phen Spec Meth Resu	ies od	: Rabbit : OECD Test Guide : Irreversible effect	
m-Cr Spec Resu		: Rabbit : Irreversible effect	s on the eye
p-Cre Spec Resu	ies	: Rabbit : Irreversible effect	s on the eye
-	iratory or skin sensi sensitisation	tisation	
May o Resp Not c	cause an allergic skin piratory sensitisation classified based on ava ponents:		
Test	sure routes ies od	 Local lymph node Skin contact Mouse OECD Test Guide positive 	
Asse	ssment	: Probability or evic rate in humans	lence of low to moderate skin sensitisation
Rosi Test Expo Spec Meth Resu	Type sure routes ies od	 Local lymph node Skin contact Mouse OECD Test Guide negative 	
Spec Meth Resu Rema	Type sure routes ies od ilt arks ssment		

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Test T Exposi Specie Result	ure routes		Local lymph node Skin contact Mouse negative	assay (LLNA)
Dichlo	ofenthion (ISO):			
	ure routes sment	:	Dermal Does not cause s Weak sensitizer Based on data fro	kin sensitisation. om similar materials
Sodiu	m hydroxide:			
Test T	ype ure routes	:	Human repeat ins Skin contact negative	sult patch test (HRIPT)
Pheno	l:			
Test T Exposi Specie Methor Result	ure routes es d	:	Buehler Test Skin contact Guinea pig OECD Test Guide negative	eline 406
p-Cres	sol:			
Test T Expos Specie Result	ure routes es	:	Draize Test Skin contact Guinea pig negative	
	cell mutagenicity	tio dof		
	cted of causing genet onents:	lic dei	ecis.	
Tar, w				
	oxicity in vitro	:	Test Type: Bacter Method: OECD T Result: negative	rial reverse mutation assay (AMES) est Guideline 471
Rosin	:			
Genote	oxicity in vitro	:	Method: OECD T Result: negative	rial reverse mutation assay (AMES) est Guideline 471 o mammalian cell gene mutation test
				est Guideline 476
			Test Type: Chrom Method: OECD T	nosome aberration test in vitro est Guideline 473

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II		Result: negativ	/e
Tar, c	coal:		
Geno	toxicity in vitro	Method: OECE Result: positive	cterial reverse mutation assay (AMES)) Test Guideline 471 e ed on data from similar materials
	cell mutagenicity - ssment	mutagenicity te mutagenicity a	(s) from in vivo non-mammalian somatic cell ests, supported by positive results from in vitr ssays. ed on national or regional regulation.
Ethvl	benzene:		
	toxicity in vitro	: Test Type: Bao Result: negativ	cterial reverse mutation assay (AMES) ve
			ritro mammalian cell gene mutation test) Test Guideline 476 /e
		Test Type: Chi Result: negativ	romosome aberration test in vitro re
Geno	toxicity in vivo	mammalian liv Species: Mous Application Ro	e ute: Inhalation) Test Guideline 486
Xylen)e.		
	toxicity in vitro	: Test Type: Bao Result: negativ	cterial reverse mutation assay (AMES) re
		Test Type: Chi Result: negativ	romosome aberration test in vitro re
		Test Type: In v Result: negativ	ritro mammalian cell gene mutation test re
		Test Type: In v malian cells Result: negativ	ritro sister chromatid exchange assay in marr re
Geno	toxicity in vivo	Species: Mous	ute: Skin contact

Phenol:

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Genc	otoxicity in vitro	: Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: positive	
Genc	otoxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vir cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Method: OECD Test Guideline 474 Result: positive Remarks: Annex VI From 1272/2008	vo
	n cell mutagenicity - ssment	: Positive result(s) from in vivo mammalian somatic cell muta genicity tests.	3-
m-Cr	esol:		
Geno	otoxicity in vitro	: Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: positive	
		Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative	
Genc	otoxicity in vivo	: Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Mouse Application Route: Ingestion Method: OECD Test Guideline 475 Result: negative	
p-Cre	esol:		
-	otoxicity in vitro	: Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: positive	
		Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative	
Genc	otoxicity in vivo	: Test Type: Rodent dominant lethal test (germ cell) (in vivo) Species: Mouse Application Route: Ingestion Method: OECD Test Guideline 478 Result: negative	

Carcinogenicity

May cause cancer if swallowed.

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Com	ponents:		
Tar, c	nal.		
		Mariaa	
Speci		: Mouse : Ingestior	n
Expos	cation Route sure time	: 2 Years	
Resu		: positive	
Carci ment	nogenicity - Assess-		evidence from human epidemiological studies (oral) s: Based on national or regional regulation.
	benzene:		
Speci		: Rat	
Applic	cation Route sure time	: inhalation : 104 wee	n (vapour)
Resu		: positive	:K5
Rema			chanism or mode of action may not be relevant in hu-
		mans.	ý
11			
Xyler			
Speci		: Rat	
Applic	cation Route	: Ingestior : 103 wee	
Resu	sure time It	: negative	
, tood		. nogativo	
Phen	ol:		
Speci		: Mouse	
Applic	cation Route	: Ingestion	
	sure time	: 103 wee	
Metho Resu		: negative	est Guideline 451
i tosu		. negative	
m-Cro			
Speci	les	: Mouse, r	
Expos	cation Route sure time	: Ingestior : 105 wee	
Resu		: equivoca	
Rema			n data from similar materials
Speci	ies	: Mouse, f	female
Applic	cation Route	: Ingestion	
Expos	sure time	: 106 - 107	
Resu		: positive	a data farma similar na cindata
Rema	arks	: Based or	n data from similar materials
Carci	nogenicity - Assess-		of evidence does not support classification as a car-
ment		cinogen	
II			

according to the Globally Harmonized System



Dichlofenthion Formulation

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	cation Route sure time It		Mouse Ingestion 106 - 107 weeks negative Based on data fr	om similar materials
Susp	roductive toxicity bected of damaging the ponents:	unbo	rn child.	
Rosi	n:			
Effec	ts on fertility	:	reproduction/dev Species: Rat Application Rout	bined repeated dose toxicity study with the velopmental toxicity screening test e: Ingestion Fest Guideline 422
Effec ment	ts on foetal develop-	:	Species: Rat Application Rout	yo-foetal development e: Ingestion Fest Guideline 414
•• Ethv	Ibenzene:			
	ets on fertility	:	Species: Rat Application Rout	generation reproduction toxicity study e: inhalation (vapour) Fest Guideline 416
Effec ment	ts on foetal develop-	:	Species: Rat Application Rout	yo-foetal development e: Inhalation Fest Guideline 414
Xyleı	ne:			
	ets on fertility	:	Species: Rat	generation reproduction toxicity study e: inhalation (vapour)
Effec ment	ts on foetal develop-	:	Species: Rat	yo-foetal development e: inhalation (vapour)
11				

Dichlofenthion (ISO):

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rsion)	Revision Date: 28.09.2024	SDS N 156031	umber: 8-00016	Date of last issue: 30.09.2023 Date of first issue: 14.04.2017
Effects ment	s on foetal develop-	Spe App Dev Res	velopmental sult: Reduce	
		Spe App Dev Res toge	velopmental sult: Reduce enic effects	velopment ute: Intraperitoneal I Toxicity: LOAEL: 10 mg/kg body weight ed foetal weight, Embryotoxic effects., No tera ed on data from similar materials
Repro sessm	ductive toxicity - As- ient	: Sus	spected of d	lamaging the unborn child.
Pheno	ol:			
Effects	s on fertility	Spe App Met	ecies: Rat plication Ro	o-generation reproduction toxicity study ute: Ingestion 0 Test Guideline 416 e
Effects ment	s on foetal develop-	Spe App Met	ecies: Mous plication Ro	ute: Ingestion) Test Guideline 414
m-Cre	sol:			
Effects	s on fertility	Spe App	ecies: Rat	p-generation reproduction toxicity study ute: Ingestion e
Effects ment	s on foetal develop-	Spe App	ecies: Rat	natal development toxicity study (teratogenic ute: Ingestion e
p-Cre	sol:			
	s on fertility	Spe App	ecies: Rat	p-generation reproduction toxicity study ute: Ingestion e
Effects ment	s on foetal develop-	Spe App	ecies: Rat	bryo-foetal development ute: Ingestion e

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	- single exposure		
	ause respiratory irrit		
	onents:	(
Tar, co	oal:		
	ure routes	: Ingestion	
Target	t Organs	: Nervous sys	
Asses	sment		oduce significant health effects in animals at con-
11		centrations	of 300 mg/kg bw or less.
Xylen	e:		
Asses	sment	: May cause r	espiratory irritation.
ed exp	ause damage to org posure. ponents:	ans (Nervous systen	n, Respiratory Tract) through prolonged or repeat
Tar, co			
	t Organs	: Respiratory	Tract
Asses		: Shown to pr	oduce significant health effects in animals at con- of >0.02 to 0.2 mg/l/6h/d.
Expos	ure routes	: inhalation (d	ust/mist/fume)
	t Organs	: Respiratory	
Asses	sment		oduce significant health effects in animals at con- of >0.02 to 0.2 mg/l/6h/d.
	penzene:		
Expos	ure routes	: inhalation (v	
	t Organs sment	: Auditory sys	oduce significant health effects in animals at con-
			of >0.2 to 1 mg/l/6h/d.
Xylen	٥.		
	ure routes	: inhalation (v	apour)
Target	t Organs	: Auditory sys	tem
Asses	sment		oduce significant health effects in animals at con- of >0.2 to 1 mg/l/6h/d.
Dichlo	ofenthion (ISO):		
Target	t Organs	: Nervous sys	
		· Causas dam	age to organs through prolonged or repeated
Asses	sment	exposure.	age to organo intrough protonged of repositou

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	ol: et Organs esment		s system, Kidney, Liver, Skin nage to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
	es EL cation Route sure time	: Rat, male : 335 mg/kg : Ingestion : 90 Days : OECD Test Gu	iideline 408
Speci LOAE Applie		: Rat : 0.868 mg/l : inhalation (vap : 13 Weeks	our)
Speci NOAE LOAE Applic Metho	EL EL cation Route	: Rat : 75 mg/kg : 250 mg/kg : Ingestion : OECD Test Gu	iideline 408
Xyler Speci LOAE Applic Expos Rema	es EL cation Route sure time	: Rat : > 0.2 - 1 mg/l : inhalation (vap : 13 Weeks	
Speci LOAE Applio	es	: Based on data : Rat : 150 mg/kg : Ingestion : 90 Days	from similar materials
Dichl	ofenthion (ISO):		
		: Rat : 0.75 mg/kg : Oral : 90 d	
		: Dog : 0.75 mg/kg : Oral : 90 d	

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	ies EL cation Route sure time	: Rat : 300 mg/kg : Ingestion : 90 Days : OECD Test Gu	ideline 408
		: Rat : >= 0.1 mg/l : inhalation (vapo : 74 Days	our)
		: Rabbit : 260 mg/kg : Skin contact : 18 Days	
	ies EL cation Route sure time	: Rat : 150 mg/kg : Ingestion : 13 Weeks : OECD Test Gu	ideline 408
	ies EL EL cation Route sure time	: Rat : 50 mg/kg : 175 mg/kg : Ingestion : 90 Days : OECD Test Gu	ideline 408

Aspiration toxicity

May be fatal if swallowed and enters airways.

Product:

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.

Components:

Ethylbenzene:

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.

Xylene:

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.

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Dichlofenthion Formulation

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Expe	rience with human e	exposure	
Com	ponents:		
Dichl	ofenthion (ISO):		
Skin (contact	Remarks: Can	ating, central nervous system effects, sweating be absorbed through skin. sitisation by skin contact.
Eye c	contact	: Symptoms: cor fects	nstriction of pupils, central nervous system ef-
Inges	tion	mation, construction, construction, Gastrointe	usea, Diarrhoea, Vomiting, sweating, Lachry- ction of pupils, Central nervous system depres- estinal disturbance, bronchospasm, central n effects, Oedema

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Tar, wood:		
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 28 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 17 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC10 (Desmodesmus subspicatus (green algae)): 14 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Rosin:		
Toxicity to fish	:	LL50 (Danio rerio (zebra fish)): > 1 - 10 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): 911 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EL50 (Raphidocelis subcapitata (freshwater green alga)): > 1,000 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201
		NOELR (Raphidocelis subcapitata (freshwater green alga)): 1,000 mg/l
		24/22

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ersion D	Revision Date: 28.09.2024		0S Number: 60318-00016	Date of last issue: 30.09.2023 Date of first issue: 14.04.2017
Toxicit	y to microorganisms	:	Method: OECD To	Vater Accommodated Fraction est Guideline 201 ludge): > 10,000 mg/l h
II Tar, co	bal:			
	y to fish	:	Exposure time: 96 Test substance: V Method: OECD Te	Vater Accommodated Fraction
	y to daphnia and other invertebrates	:	Exposure time: 48 Test substance: V Method: OECD Te	Vater Accommodated Fraction
Toxicit <u>y</u> plants	y to algae/aquatic	:	Exposure time: 72 Method: OECD To	
			Exposure time: 72 Method: OECD Te	
Ethylb	enzene:			
	y to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD To	
	y to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 1.8 - 2.4 mg/l 3 h
Toxicit <u>y</u> plants	y to algae/aquatic	:	EC50 (Pseudokir mg/l Exposure time: 96	chneriella subcapitata (green algae)): 3.6 Sh
			NOEC (Pseudoki mg/l Exposure time: 96	rchneriella subcapitata (green algae)): 3.4 Sh
Toxicity	y to microorganisms	:	EC50 (Nitrosomo Exposure time: 24	
	y to daphnia and other invertebrates (Chron- ity)	:	NOEC: 0.96 mg/l Exposure time: 7 Species: Cerioda	d bhnia dubia (water flea)

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Vers 6.0	ion	Revision Date: 28.09.2024		9S Number: 60318-00016	Date of last issue: 30.09.2023 Date of first issue: 14.04.2017
	Xylene				
	loxicity	/ to fish	:	Exposure time: 96	hus mykiss (rainbow trout)): 13.5 mg/l 5 h
		/ to daphnia and other invertebrates	:	Exposure time: 24 Method: OECD Te	
	Toxicity plants	/ to algae/aquatic	:	EC50 (Skeletone Exposure time: 72	ma costatum (marine diatom)): 10 mg/l ! h
	Toxicity	/ to microorganisms	:	NOEC: > 100 mg/ Exposure time: 3 l Method: OECD Te Remarks: Based of	h
	Toxicity icity)	/ to fish (Chronic tox-	:	NOEC: > 0.1 - < 1 Exposure time: 35 Species: Danio re Method: OECD Te Remarks: Based of	i d rio (zebra fish)
		/ to daphnia and other invertebrates (Chron- ity)	:	Exposure time: 21 Species: Daphnia Method: OECD Te	d magna (Water flea)
	Dichlo	fenthion (ISO):			
		/ to fish	:	LC50 (No species Exposure time: 96 Method: OECD Te	
				LC50 (Lepomis m Exposure time: 96 Method: OECD Te	
		/ to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	M-Fact icity)	or (Acute aquatic tox-	:	100	
	M-Fact toxicity)	or (Chronic aquatic)	:	100	
11	Dhane				
	Pheno Toxicity		:	LC50 (Pimephales Exposure time: 96	s promelas (fathead minnow)): 24.9 mg/l s h

according to the Globally Harmonized System

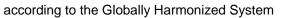


rsion	Revision Date: 28.09.2024		9S Number: 60318-00016	Date of last issue: 30.09.2023 Date of first issue: 14.04.2017
	to daphnia and other invertebrates	:	EC50 (Ceriodaphr Exposure time: 48	nia dubia (water flea)): 3.1 mg/l h
Toxicity plants	v to algae/aquatic	:	EC50 (Selenastru Exposure time: 96	ım capricornutum (green algae)): 61.1 mg/l h
Toxicity	to microorganisms	:	IC50 (Nitrosomon Exposure time: 24	
Toxicity icity)	v to fish (Chronic tox-	:	NOEC: 0.077 mg/ Exposure time: 60	
	to daphnia and other invertebrates (Chron- ty)	:	NOEC: 10 mg/l Exposure time: 16 Species: Daphnia	d magna (Water flea)
m-Cres	sol:			
Toxicity	v to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 8.6 mg/l h
	to daphnia and other invertebrates	:	EC50 (Daphnia pu Exposure time: 48	ılex (Water flea)): > 99.5 mg/l h
Toxicity icity)	to fish (Chronic tox-	:		d les promelas (fathead minnow) on data from similar materials
	to daphnia and other invertebrates (Chron- ty)	:		d magna (Water flea) on data from similar materials
p-Cres	ol:			
Toxicity		:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 7.4 mg/l i h
	to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: DIN 3841	
Toxicity plants	v to algae/aquatic	:	EC50 (Desmodes Exposure time: 48	smus subspicatus (green algae)): 7.8 mg/l h
			EC10 (Desmodes Exposure time: 48	mus subspicatus (green algae)): 2.3 mg/l h
Toxicity	to microorganisms	:	IC50 (Nitrosomon Exposure time: 24	
Toxicity icity)	to fish (Chronic tox-	:	NOEC: 1.35 mg/l Exposure time: 32	d



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			Species: Pimepha	iles promelas (fathead minnow)
aqua	city to daphnia and other tic invertebrates (Chron- kicity)	:	NOEC: 1 mg/l Exposure time: 21 Species: Daphnia	d magna (Water flea)
Pers	istence and degradabili	ty		
<u>Com</u>	ponents:			
	wood:			
Biod	egradability	:	Result: Not readily Biodegradation: 4 Exposure time: 28 Method: OECD Te	17 %
Rosi				
Biod	egradability	:	Result: Readily bid Biodegradation: 7 Exposure time: 28 Method: OECD Te	71 % [¯]
Ethy	Ibenzene:			
Biod	egradability	:	Result: Readily bio Biodegradation: 7 Exposure time: 28	70 - 80 %
Xyle	ne:			
	egradability	:		» 70 %
Pher	nol:			
Biod	egradability	:	Result: Readily bid Biodegradation: 6 Exposure time: 10 Method: OECD Te	52 %
m-Ci	resol:			
Biod	egradability	:	Result: Readily bid Biodegradation: 9 Exposure time: 28 Method: OECD Te	90 %
	esol:			
Biod	egradability	:	Result: Readily bid Biodegradation: 1	





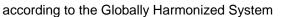
Version 6.0	Revision Date: 28.09.2024		DS Number: 660318-00016	Date of last issue: 30.09.2023 Date of first issue: 14.04.2017
			Exposure time: 8	d
Bioa	accumulative potential			
<u>Con</u>	nponents:			
	wood:			
	ition coefficient: n- nol/water	:	log Pow: 0.2 - 2.0	2
Ros	in:			
	ition coefficient: n- nol/water	:	log Pow: > 3 - 6.2 Method: OECD T	est Guideline 117
Tar,	coal:			
	ition coefficient: n- nol/water	:	Remarks: No data	a available
Ethy	ylbenzene:			
	ition coefficient: n- nol/water	:	log Pow: 3.6	
Xyle	ene:			
	ition coefficient: n- nol/water	:	log Pow: 3.16 Remarks: Calcula	ation
Dicł	nlofenthion (ISO):			
	ition coefficient: n- nol/water	:	log Pow: 5.14	
Phe	nol:			
Bioa	accumulation	:		factor (BCF): 17.5 est Guideline 305
	ition coefficient: n- nol/water	:	log Pow: 1.47	
m-C	resol:			
	accumulation	:		us idus (Golden orfe) factor (BCF): 17 - 20
	ition coefficient: n- nol/water	:	log Pow: 1.96	
יי n-Cי	resol:			
	accumulation	:		us idus (Golden orfe) factor (BCF): 17 - 20



according to the Globally Harmonized System

dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other source	Version 6.0	Revision Date: 28.09.2024		OS Number: 60318-00016	Date of last issue: 30.09.2023 Date of first issue: 14.04.2017	
Mobility in soil No data available Other adverse effects No data available 3. 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 har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UN number : Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Sodium hydroxide, Ethylbenzene) Class : Rubidiary risk : Packing group : H : Labels : B : Subsidiary risk : B : Benvironmentally hazardous : yess			:		ed on data from similar materials	
No data available Other adverse effects No data available 3. DISPOSAL CONSIDERATIONS Disposal methods Waste from residues : Do not dispose of waste into sewer. Disposal methods Waste from residues : Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UNRTDG UN number : Proper shipping name : Class : Subsidiary risk : Subsidiary risk : Packing group : Labels : Environmentally hazardous :						
Other adverse effects No data available 3. DISPOSAL CONSIDERATIONS Bisposal 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 har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN collass : Subsidiary risk : Subsidiary risk : Subsidiary risk : Wates : Babels : 8 (3) Environmentally hazardous : Yes		•				
No data available 3. DISPOSAL CONSIDERATIONS Waste from residues : Do not dispose of waste into sewer. Disposal methods Waste from residues : Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UN number : Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Sodium hydroxide, Ethylbenzene) Class : Subsidiary risk : Subsidiary risk : Packing group : Labels : Environmentally hazardous :						
3. 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 har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 2920 (Sodium hydroxide, Ethylbenzene) Class : 8 Subsidiary risk Subsidiary risk : 3 Packing group H 1 Labels : 8 (3) Environmentally hazardous						
Disposal methods Image: Second Se						
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 har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 2920 Proper shipping name Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Sodium hydroxide, Ethylbenzene) Class : 8 Subsidiary risk : 3 Packing group Packing group : II Labels : 8 (3) Environmentally hazardous	3. DISPC	DSAL CONSIDERATIO	NS			
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 har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UNRTDG UN number : UN 2920 Proper shipping name Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Sodium hydroxide, Ethylbenzene) Class : 8 Subsidiary risk : 3 Packing group Packing group : II Labels : 8 (3) Environmentally hazardous	Disp	osal methods				
Contaminated packaging : Empty containers should be taken to an approved waste har dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other source of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. 4. TRANSPORT INFORMATION International Regulations UNRTDG UN number UN number : UN 2920 Proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Sodium hydroxide, Ethylbenzene) : 8 Subsidiary risk : 3 Packing group : II Labels : 8 (3) Environmentally hazardous : yes	-		:	Do not dispose	of waste into sewer.	
International RegulationsUNRTDGUN numberProper shipping nameIClassClassSubsidiary riskSubsidiary riskPacking groupILabelsEnvironmentally hazardousIVertice <t< td=""><td colspan="3">Contaminated packaging :</td><td colspan="3">Empty containers should be taken to an approved waste han- dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.</td></t<>	Contaminated packaging :			Empty containers should be taken to an approved waste han- dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.		
UNRTDGUN number:UN 2920Proper shipping name:CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Sodium hydroxide, Ethylbenzene)Class:8Subsidiary risk:3Packing group:IILabels:8 (3)Environmentally hazardous:yes	4. TRAN	SPORT INFORMATION	١			
UN number:UN 2920Proper shipping name:CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Sodium hydroxide, Ethylbenzene)Class:8Subsidiary risk:3Packing group:IILabels:8 (3)Environmentally hazardous:yes	Inter	national Regulations				
	UN n Prope II Class Subs Packi Label	umber er shipping name idiary risk ing group Is	:	CORROSIVE L (Sodium hydro 8 3 II 8 (3)		
		-	•	yes		

		5
IATA-DGR		
UN/ID No.	:	UN 2920
Proper shipping name	:	Corrosive liquid, flammable, n.o.s. (Sodium hydroxide, Ethylbenzene)
∎ Class		8
Subsidiary risk	÷	3
Packing group	:	II .
Labels	:	Corrosive, Flammable Liquids
Packing instruction (cargo aircraft)	:	855
Packing instruction (passen- ger aircraft)	:	851
IMDG-Code		
UN number	:	UN 2920
Proper shipping name	:	CORROSIVE LIQUID, FLAMMABLE, N.O.S.





Dichlofenthion Formulation

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6.0	28.09.2024	15	60318-00016	Date of first issue: 14.04.2017
- 11			(Sodium hydro)	kide, Ethylbenzene, Dichlofenthion (ISO))
Class		:	8	
Subsidiary risk		:	3	
Packing group		:	II	
Label	S	:	8 (3)	
EmS	Code	:	F-E, S-C	
Marin	e pollutant	:	yes	

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

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

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

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

16. OTHER INFORMATION

Revision Date	:	28.09.2024
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 Agen- cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format	:	dd.mm.yyyy					
Full text of other abbreviations							
ACGIH ACGIH BEI IN OEL		USA. ACGIH Threshold Limit Values (TLV) ACGIH - Biological Exposure Indices (BEI) India. Permissible levels of certain chemical substances in work environment.					
ACGIH / TWA ACGIH / C IN OEL / TWA IN OEL / STEL IN OEL / CEIL		8-hour, time-weighted average Ceiling limit Time-Weighted Average Concentration (TWA) (8 hrs.) Short-term exposure Limit STEL (15 min) ceiling limit					

according to the Globally Harmonized System



Dichlofenthion Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
6.0	28.09.2024	1560318-00016	Date of first issue: 14.04.2017

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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