

Methyl Salicylate / Diclofenac Formulation

ersion .0	Revision Date: 06.04.2024		S Number: 971-00019	Date of last issue: 30.09.2023 Date of first issue: 02.05.2016
Section 1:	Identification			
Produ	uct identifier	:	Methyl Salicyl	ate / Diclofenac Formulation
Recor	mmended use of the ch mmended use ictions on use	:	ical and restric Veterinary pro Not applicable	duct
Manu Comp	facturer or supplier's d	letai :	i ls MSD	
Addre	ess	:		Drive Singapore 638408
Telep	hone	:	+1-908-740-40	000
Emerg	gency telephone number	:	65 6697 2111	(24/7/365)
E-mai	l address	:	EHSDATAST	EWARD@msd.com

Classification of the substance or mixture	

Serious eye damage/eye irri- tation	:	Category 1
Skin sensitisation	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeated exposure	:	Category 2 (Gastrointestinal tract, Blood, lymphatic system, Liver, Prostate)
Long-term (chronic) aquatic hazard	:	Category 2

GHS Label elements, including precautionary statements

Hazard pictograms	
Signal word	: Danger
Hazard statements	 H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H361d Suspected of damaging the unborn child.



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		Blood, lympha repeated expo	use damage to organs (Gastrointestinal tract, atic system, Liver, Prostate) through prolonged o osure.
Preca	autionary statements	Prevention:	
		P201 Obtain s P202 Do not h and understoo P260 Do not b P272 Contam the workplace P273 Avoid re P280 Wear pr	preathe dust/ fume/ gas/ mist/ vapours/ spray. inated work clothing should not be allowed out o
		Response:	
		P305 + P351 water for seve and easy to do CENTER/ doo P308 + P313	IF ON SKIN: Wash with plenty of water. + P338 + P310 IF IN EYES: Rinse cautiously we eral minutes. Remove contact lenses, if present o. Continue rinsing. Immediately call a POISON otor. IF exposed or concerned: Get medical advice/
		vice/ attention	Take off contaminated clothing and wash it before
		Storage: P405 Store lo	cked up.
		Disposal:	of contents/ container to an approved waste

None known.

Section 3: Composition/information on ingredients

Substance / Mixture

: Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Petrolatum	8009-03-8	>= 70 -< 90
Zinc oxide	1314-13-2	>= 10 -< 20
Methyl salicylate	119-36-8	>= 3 -< 10
Sodium [2-[(2,6-	15307-79-6	>= 1 -< 2.5
dichlorophenyl)amino]phenyl]acetate		





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(+)-B(ornan-2-one		464-49-3	I	>= 1 -< 2.5		
(1) D					2-1 12.0		
ection 4	: First-aid measures						
Desc	ription of necessary fi	rst-aid measures					
Gene	ral advice	: In the case of vice immediate		ou feel un	well, seek medical ad-		
		When symptor		n all cases	of doubt seek medical		
lf inha	aled	advice. : If inhaled, rem	ove to fresh a	r.			
	a of alia contact	Get medical at		alı fluah al	in with plants of water		
In cas	se of skin contact	: In case of con Remove conta Get medical at Wash clothing Thoroughly cle	aminated clothi ttention. before reuse.	ng and sh	kin with plenty of water. oes.		
In cas	se of eye contact	: In case of con for at least 15 If easy to do, r	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.				
lf swa	allowed	: If swallowed, I Get medical at	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.				
Most	important symptoms	and effects, both a	cute and dela	iyed			
Risks		: May cause an Causes seriou Suspected of May cause da exposure.	is eye damage	unborn chi	ld. prolonged or repeated		
Prote	ction of first-aiders	: First Aid respo and use the re	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).				
Indica	ation of any immediat	e medical attention	and special	treatment	needed		
Treat	ment	: Treat sympton	natically and s	upportively	<i>.</i>		
ection 5	: Fire-fighting measur	es					
Exting	guishing media						
Suital	ble extinguishing media	Alcohol-resista Carbon dioxide					
Unsui media	itable extinguishing a	Dry chemical : None known.					
Spec	ial hazards arising fro	m the substance o	r mixture				
Speci fightir	ific hazards during fire-	: Exposure to co	ombustion pro	ducts may	be a hazard to health.		
	rdous combustion prod-	· : Carbon oxides	2				





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ucts			Chlorine compo Nitrogen oxides Sodium oxides	
Spec	ial protective actions f	or f	re-fighters	
Speci for fire	ial protective equipment efighters ific extinguishing meth-		In the event of fi Use personal pro Use extinguishin cumstances and Use water spray	re, wear self-contained breathing apparatus. otective equipment. Ing measures that are appropriate to local cir- I the surrounding environment. I to cool unopened containers. aged containers from fire area if it is safe to do
Section 6	: Accidental release m	eas	ures	
	precautions, protective onal precautions	e eq :	Use personal pro Follow safe hand	ergency procedures otective equipment. dling advice (see section 7) and personal pro- nt recommendations (see section 8).
	ental precautions onmental precautions	:	Prevent further le Retain and dispo	the environment. eakage or spillage if safe to do so. ose of contaminated wash water. s should be advised if significant spillages ined.
	and materials for conta ods for cleaning up	ainn :	Sweep up or vac tainer for dispose Local or national posal of this mat employed in the mine which regu Sections 13 and	cuum up spillage and collect in suitable con-
Section 7	: Handling and storage)		
Tech Local	autions for safe handlin nical measures /Total ventilation se on safe handling	ng : :	CONTROLS/PE Use only with ac Do not get on sk Do not breathe o Do not swallow. Do not get in eye Wash skin thoro	dust, fume, gas, mist, vapours or spray.



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Hy	/giene measures	 sessment Keep contained Do not eat, dr Take care to penvironment. If exposure to flushing system place. When using do Contaminated workplace. 	ed on the results of the workplace exposure as- er tightly closed. ink or smoke when using this product. prevent spills, waste and minimize release to the o chemical is likely during typical use, provide eye ems and safety showers close to the working to not eat, drink or smoke. d work clothing should not be allowed out of the inated clothing before re-use.
Co	onditions for safe storage	e, including any in	compatibilities
Co	onditions for safe storage	Store locked Keep tightly c	•
M	aterials to avoid		with the following product types:

Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Petrolatum	8009-03-8	PEL (long term) (Mist)	5 mg/m3	SG OEL
		PEL (short term) (Mist)	10 mg/m3	SG OEL
		TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH
Zinc oxide	1314-13-2	PEL (long term) (Dust)	10 mg/m3	SG OEL
		PEL (long term) (Fumes)	5 mg/m3	SG OEL
		PEL (short term) (Fumes)	10 mg/m3	SG OEL
		TWA (Res- pirable par- ticulate mat- ter)	2 mg/m3	ACGIH
		STEL (Res-	10 mg/m3	ACGIH



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		pirable par- ticulate mat- ter)		
Sodium [2-[(2,6- dichloro- phenyl)amino]phenyl]acetate	15307-79-6	TWA	100 µg/m3 (OEB 2)	Internal
	Further inform	ation: Skin		
(+)-Bornan-2-one	464-49-3	PEL (long term)	2 ppm 12 mg/m3	SG OEL
		PEL (short term)	3 ppm 19 mg/m3	SG OEL
		TWA	2 ppm	ACGIH
		STEL	3 ppm	ACGIH

Appropriate engineering control measures	:	Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
Individual protection measu	ires	, such as personal protective equipment (PPE)
Eye/face protection	:	Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield
Skin protection	:	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type Hand protection	:	Combined particulates and organic vapour type
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Section 9: Physical and chemical properties

Appearance	:	ointment
Colour	:	light red
Odour	:	aromatic

SAFETY DATA SHEET



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	Odour	Threshold	:	No data available	
	рН		:	No data available)
	Melting	point/freezing point	:	No data available	
	Initial b range	ooiling point and boiling	:	No data available	•
	Flash p	point	:	No data available	
	Evapor	ration rate	:	No data available)
	Flamm	ability (solid, gas)	:	Not classified as	a flammability hazard
	Flamm	ability (liquids)	:	No data available	9
		explosion limit / Upper ability limit	:	No data available)
		explosion limit / Lower ability limit	:	No data available	
	Vapou	r pressure	:	No data available)
	Relativ	e vapour density	:	No data available)
	Relativ	e density	:	No data available)
	Density	y	:	No data available)
	Solubil Wat	ity(ies) ter solubility	:	No data available	9
		n coefficient: n-	:	No data available)
	octano Auto-ig	i/water Inition temperature	:	No data available	9
	Decom	position temperature	:	No data available)
	Viscosi Visc	ity cosity, kinematic	:	No data available	
	Explosi	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecu	ılar weight	:	No data available	
	Particle Particle	e characteristics e size	:	No data available	



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Section 10: Stability and reactivity

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

Section 11: Toxicological information

Information on likely routes of	:	Skin contact
exposure		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

Product: Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

Components:

Petrolatum:		
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials
Zinc oxide:		
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5.7 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala-



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Acute dermal toxicity		:	tion toxicity LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute derma toxicity			
'	yl salicylate: e oral toxicity	:	LD50 (Rat): 890 n	ng/kg		
II Sodiu	um [2-[(2,6-dichlorophe	nvl)amino]nhenvl]ac	etate.		
	e oral toxicity	: :				
			LD50 (Mouse): 17	'0 - 389 mg/kg		
	e toxicity (other routes of nistration)	:	LD50 (Rat): 97 - 1 Application Route			
			LD50 (Mouse): 92 Application Route			
(+)-B	ornan-2-one:					
Acute	e oral toxicity	:	LD50 (Mouse): > Remarks: Based	300 - 2,000 mg/kg on data from similar materials		
			Method: Expert ju	mate (Humans): > 50 - 500 mg/kg dgement on data from similar materials		
Acute	inhalation toxicity	:	LC50 (Rat): > 0.5 Exposure time: 4 Test atmosphere:	h		
				on data from similar materials		
Acute	e dermal toxicity	:	LD50 (Rat): > 2,0 Remarks: Based of	00 mg/kg on data from similar materials		
II Skin	corrosion/irritation					
	lassified based on availa	ble	information.			
	oonents:					
Petro Speci	latum:		Rabbit			
Metho		: OECD Test Guideline 404				
Resu		:	No skin irritation	m similar materials		
Rema	11K5	-	Daseu un data fro			

Zinc oxide:



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Speci	ies	: Rabb		
Metho Resu			D Test Guio kin irritation	
Meth	yl salicylate:			
Speci		: Rabb		
Metho Resu			D Test Guid kin irritation	
Sodiu	um [2-[(2,6-dichlorop	ohenyl)amin	o]phenyl]a	cetate:
Resu	lt	: irritat	ing	
	ornan-2-one:			
Speci Resu		: Rabb	oit kin irritation	
Rema				rom similar materials
Serio	ous eye damage/eye	irritation		
	es serious eye damag	je.		
	ponents: platum:			
Speci		: Rabb	vit	
Resu			ye irritation	
Metho	bc		, D Test Guid	deline 405
Rema	arks	: Base	d on data fr	rom similar materials
	oxide:	5.11	•.	
Speci Resu		: Rabb	ye irritation	
Metho			D Test Guid	deline 405
	yl salicylate:			
Speci			le Culture	
Metho			D Test Guid	
Resu	It	: Irreve	ersible effec	cts on the eye
	um [2-[(2,6-dichlorop			
Resu	IC	: IVIIId	eye irritatior	n
	ornan-2-one:		., ,.	
Resu Rema			rritation	rom similar materials
Reina	זוגט	. Dase	u un uala li	



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Resp	piratory or skin sensi	tisation	
-	sensitisation		
-	cause an allergic skin	reaction.	
-	biratory sensitisation		
-	lassified based on ava		
Com	ponents:		
Petro	platum:		
Test		: Buehler Te	est
Expo	sure routes	: Skin conta	
Spec Resu		: Guinea pig : negative	
Rem			data from similar materials
Zinc	oxide:		
Test		: Maximisati	on Test
Expo	sure routes	: Skin conta	
Spec Meth		: Guinea pig	l st Guideline 406
Resu		: negative	
Meth	yl salicylate:		
	Type	: Local lymp	h node assay (LLNA)
Expo	sure routes	: Skin conta	
Spec		: Mouse	
Resu	lit	: positive	
Asse	ssment	: Probability rate in hun	or evidence of low to moderate skin sensitisation nans
(+)-B	ornan-2-one:		
Test		: Buehler Te	est
	sure routes	: Skin conta	
Spec Meth		: Guinea pig	t Guideline 406
Resu		: negative	
Rem	arks	: Based on o	data from similar materials
Gern	n cell mutagenicity		
	classified based on available	ailable information	
<u>Com</u>	ponents:		
Petro	olatum:		
Geno	otoxicity in vitro		Chromosome aberration test in vitro
		Result: neg Remarks:	gative Based on data from similar materials
		Nomains.	



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Genc	otoxicity in vivo	cytogenetic a Species: Mou Application R Method: OEC Result: negat	se oute: Intraperitoneal injection D Test Guideline 474
Zinc	oxide:		
Gend	otoxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES)
			vitro mammalian cell gene mutation test D Test Guideline 476 ocal
		Test Type: Cł Result: equivo	nromosome aberration test in vitro ocal
Geno	otoxicity in vivo	cytogenetic a Species: Rat Application Re	oute: inhalation (dust/mist/fume) D Test Guideline 474
		cytogenetic te Species: Rat	utagenicity (in vivo mammalian bone-marrow est, chromosomal analysis) oute: inhalation (dust/mist/fume) /e
		cytogenetic as Species: Mou Application R	se oute: Intraperitoneal injection D Test Guideline 474
	n cell mutagenicity - ssment	: Weight of evid cell mutagen.	dence does not support classification as a germ
Meth	yl salicylate:		
	otoxicity in vitro	: Test Type: Ch Result: negat	nromosome aberration test in vitro
		Test Type: Ba Result: negati	acterial reverse mutation assay (AMES) ive
11			





rsion)	Revision Date: 06.04.2024		S Number: 6971-00019	Date of last issue: 30.09.2023 Date of first issue: 02.05.2016
Sodiu	um [2-[(2,6-dichlorop	ohenyl	amino]phenyl]a	acetate:
Geno	toxicity in vitro	:	Test Type: Back Result: negative	erial reverse mutation assay (AMES)
			Test Type: Mou Result: negative	
Geno	toxicity in vivo	:	Test Type: Chro Species: CHO Result: negative	omosomal aberration
•• (+)-Bo	ornan-2-one:			
	toxicity in vitro	:	Result: negative	erial reverse mutation assay (AMES) e d on data from similar materials
			Method: OECD Result: negative	tro mammalian cell gene mutation test Test Guideline 476 e d on data from similar materials
			Test Type: Chro Result: negative	pmosome aberration test in vitro
Geno	toxicity in vivo	:	cytogenetic test Species: Mouse Application Rou Result: negative	te: Ingestion
			cytogenetic ass Species: Mouse Application Rou Result: negative	te: Skin contact

Carcinogenicity

Not classified based on available information.

Components:

Petrolatum:

Species Application Route Exposure time Result	:	Rat
Application Route	:	Ingestion
Exposure time	:	2 Years
Result	:	negative



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Speci Applio Expos Resu Rema	cation Route sure time It	: Mouse : Ingestion : 1 Years : negative : Based on o	data from similar materials
Speci Applio	ies cation Route sure time	: Rat : Ingestion : 2 Years : negative	
Speci Applio	cation Route sure time	henyl)amino]phe : Rat : Oral : 2 Years : negative	nyl]acetate:
	cation Route sure time	: Mouse : Oral : 2 Years : negative	
Suspe	oductive toxicity ected of damaging the ponents:	unborn child.	
	elatum: ts on fertility	test Species: R Application Result: neg	Route: Ingestion
Effect ment	ts on foetal develop-	Species: R Application Result: neg	Route: Skin contact
Zinc	oxide:		
	ts on fertility	Species: R Application Result: neg	Route: Ingestion
			/ 2/



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Effect ment	ts on foetal develop-	Species Applica Method Result:	pe: Embryo-foetal development s: Rat tion Route: inhalation (dust/mist/fume) : OECD Test Guideline 414 negative ks: Based on data from similar materials
Methy	yl salicylate:		
Effect	ts on fertility	Species Applica	pe: Three-generation reproduction toxicity study s: Rat tion Route: Ingestion negative
Effect ment	ts on foetal develop-	Species Applica Result:	pe: Embryo-foetal development s: Rat tion Route: Ingestion positive s: Based on data from similar materials
		Species Applica Result:	pe: Embryo-foetal development s: Monkey tion Route: Ingestion positive ks: Based on data from similar materials
Repro sessn	oductive toxicity - As- nent		evidence of adverse effects on development, based experiments.
Sodiu	um [2-[(2,6-dichloroph	enyl)amino]	ohenyl]acetate:
Effect	ts on fertility	Species Applica	pe: Fertility s: Rat, male and female tion Route: Oral : NOAEL: 4 mg/kg body weight
			No effects on fertility
Effect ment	ts on foetal develop-	Result: : Test Ty Species Applica Develop	No effects on fertility pe: Development
	ts on foetal develop-	Result: : Test Ty Species Applica Develop Result: Test Ty Species Applica Develop	No effects on fertility pe: Development s: Rat tion Route: Oral omental Toxicity: LOAEL: 1 mg/kg body weight



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Effect ment	ts on foetal develop-	:	Species: Rat	bryo-foetal development
			Application Ro Result: negativ	
	- single exposure lassified based on avai	ilable	information.	
	oonents:			
	ornan-2-one:			
	ssment	:	May cause res	piratory irritation.
Rema	arks	:		from similar materials
et ot	reported experies			
	F - repeated exposure cause damage to organ		astrointestinal tra	act, Blood, lymphatic system, Liver, Prostate)
	gh prolonged or repeat			
<u>Com</u>	oonents:			
Zinc	oxide:			
Asse	ssment	:		health effects observed in animals at concentra-
Asse	ssment	:	No significant h tions of 0.2 mg	
I		: heny	tions of 0.2 mg	/l/6h/d or less.
Sodiu Targe	u m [2-[(2,6-dichloropl et Organs	: heny :	tions of 0.2 mg [)amino]phenyl] Gastrointestina	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe	um [2-[(2,6-dichloropl	h eny	tions of 0.2 mg [)amino]phenyl] Gastrointestina	/l/6h/d or less. acetate:
Sodi i Targe Asses	u m [2-[(2,6-dichloropl et Organs	: h eny : :	tions of 0.2 mg I)amino]phenyl] Gastrointestina Causes damag	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe	um [2-[(2,6-dichloropl et Organs ssment ated dose toxicity	: h eny : :	tions of 0.2 mg I)amino]phenyl] Gastrointestina Causes damag	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe <u>Com</u>	um [2-[(2,6-dichloropl et Organs ssment ated dose toxicity ponents:	: h eny : :	tions of 0.2 mg I)amino]phenyl] Gastrointestina Causes damag	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe <u>Com</u>	um [2-[(2,6-dichloropl et Organs ssment ated dose toxicity ponents:	: h eny : :	tions of 0.2 mg I)amino]phenyl] Gastrointestina Causes damag exposure.	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe <u>Com</u> Speci NOAI	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: ies EL	: h eny : :	tions of 0.2 mg Jamino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe <u>Com</u> Speci NOAI Applie	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: es EL cation Route	: h eny : :	tions of 0.2 mg Jamino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe <u>Com</u> Speci NOAI Applie	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: ies EL	: h eny : : :	tions of 0.2 mg Jamino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe <u>Com</u> Petro Speci NOAI Applie Expos	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: es EL cation Route	: h eny : :	tions of 0.2 mg Jamino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asses Repe <u>Com</u> Petro Spec NOAI Applie Expos Zinc Spec	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: es EL cation Route sure time oxide:	: h eny : : :	tions of 0.2 mg ()amino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion 2 yr Rat, male	/I/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate
Sodiu Targe Asse: Repe <u>Com</u> Petro Speci NOAI Applia Exposi Zinc Speci NOAI	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: les EL cation Route sure time oxide: les EL	: h eny : : : :	tions of 0.2 mg ()amino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion 2 yr Rat, male 0.0015 mg/l	/l/6h/d or less. al tract, Blood, lymphatic system, Liver, Prostate ge to organs through prolonged or repeated
Sodiu Targe Asses Repe <u>Com</u> Petro Spec NOAI Applie Expos	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: les EL cation Route sure time oxide: EL cation Route	: h eny : : : :	tions of 0.2 mg ()amino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion 2 yr Rat, male 0.0015 mg/l inhalation (dus	/l/6h/d or less. al tract, Blood, lymphatic system, Liver, Prostate ge to organs through prolonged or repeated
Sodiu Targe Asses Repe <u>Com</u> Petro Spec NOAI Applie Expos	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: les EL cation Route sure time oxide: EL cation Route sure time	: heny : : : : : : : : : :	tions of 0.2 mg ()amino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion 2 yr Rat, male 0.0015 mg/l	/l/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate ge to organs through prolonged or repeated
Sodiu Targe Asses Repe <u>Com</u> Petro Speci NOAI Applie Expos Zinc Speci NOAI Applie Expos	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: les EL cation Route sure time oxide: les EL cation Route sure time od	: heny : : : : :	tions of 0.2 mg ()amino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion 2 yr Rat, male 0.0015 mg/l inhalation (dus 3 Months	/l/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate ye to organs through prolonged or repeated t/mist/fume)
Sodiu Targe Asses Repe <u>Com</u> Petro Speci NOAI Applie Expos Zinc Speci NOAI Applie Expos	um [2-[(2,6-dichlorop) et Organs ssment ated dose toxicity ponents: platum: les EL cation Route sure time oxide: EL cation Route sure time oxide: yl salicylate:	: h eny : : : : :	tions of 0.2 mg ()amino]phenyl] Gastrointestina Causes damag exposure. Rat 5,000 mg/kg Ingestion 2 yr Rat, male 0.0015 mg/l inhalation (dus 3 Months	/l/6h/d or less. acetate: Il tract, Blood, lymphatic system, Liver, Prostate ge to organs through prolonged or repeated



ersion .0	Revision Date: 06.04.2024	SDS Number: 656971-00019	Date of last issue: 30.09.2023 Date of first issue: 02.05.2016
	ΞL	: 250 mg/kg	
Application Route Exposure time		: Ingestion : 2 yr	
Sodi	um [2-[(2.6-dichloror	ohenyl)amino]phenylj	lacetate:
Spec		: Rat	
LOAE		: 0.25 mg/kg	
	cation Route	: Oral	
	sure time	: 98 w	
Targe	et Organs	: Gastrointestina	al tract, Blood, lymphatic system, Liver, Prostate
Spec		: Dog	
LOAE		: 1 mg/kg	
Appli	cation Route	: Oral	
	sure time et Organs	: 12 w : Blood	
Spec	ies	: Baboon	
NOA		: 0.5 mg/kg	
LOAE		: 5 mg/kg	
	cation Route	: Oral	
	sure time	: 52 w	
	et Organs	: Gastrointestina	
Symp	Joms	: constipation, D	narmoea
(+)-B	ornan-2-one:		
Spec		: Rat	
NOA		: > 200 mg/kg	
	cation Route	: Skin contact	
	sure time	: 13 Weeks : Based on data	from similar materials
Rema Aspi	arks ration toxicity		from similar materials
	lassified based on av		
Expe	rience with human e	exposure	
<u>Com</u>	ponents:		
Sodi	um [2-[(2,6-dichloro	ohenyl)amino]phenyl	acetate:
Inges	stion		dominal pain, Diarrhoea, constipation, heart- n, Dizziness, Headache, Breathing difficulties,

Section 12: Ecological information

Toxicity

Components:

Petrolatum:

SAFETY DATA SHEET



ersion D	Revision Date: 06.04.2024	-	0S Number: 6971-00019	Date of last issue: 30.09.2023 Date of first issue: 02.05.2016
Toxici	ty to fish	:	Exposure time: 96 Test substance: V Method: OECD T	s promelas (fathead minnow)): > 100 mg/l 5 h Vater Accommodated Fraction est Guideline 203 on data from similar materials
	ty to daphnia and other ic invertebrates	:	Exposure time: 48 Test substance: V	nagna (Water flea)): > 10,000 mg/l 3 h Vater Accommodated Fraction on data from similar materials
Toxici plants	ty to algae/aquatic	:	100 mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 27 Test substance: V	magna (Water flea)): 10 mg/l 1 d Vater Accommodated Fraction on data from similar materials
Zinc d	oxide:			
Toxici	ty to fish	:	LC50 : > 0.1 - 1 m Exposure time: 96 Remarks: Based	
Toxici plants	ty to algae/aquatic	:	ErC50 (Pseudokin mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 0.13 2 h
			- 0.1 mg/l Exposure time: 72	rchneriella subcapitata (green algae)): > 0.0 2 h on data from similar materials
	ctor (Acute aquatic tox-	:	1	
icity) Toxici icity)	ty to fish (Chronic tox-	:	Exposure time: 14	a floridae (flagfish)): > 0.01 - 0.1 mg/l 4 Weeks on data from similar materials
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 7	nnia dubia (water flea)): > 0.01 - 0.1 mg/l d on data from similar materials
M-Fac toxicit	ctor (Chronic aquatic y)	:	1	
	/l salicylate:			
Toxici	ty to fish	:	LC50 (Pimephale	s promelas (fathead minnow)): > 10 - 100



Version 9.0	Revision Date: 06.04.2024		9S Number: 6971-00019	Date of last issue: 30.09.2023 Date of first issue: 02.05.2016
			mg/l Exposure time: 96 Remarks: Based o	ծ հ on data from similar materials
	ity to daphnia and other ic invertebrates	:	Exposure time: 48 Method: OECD Te	
Toxici plants	ity to algae/aquatic	:	ErC50 (Desmodes Exposure time: 72 Method: OECD Te	
			NOEC (Desmode: Exposure time: 72 Method: OECD Te	
Toxici	ity to microorganisms	:	EC10 (Pseudomo Exposure time: 16	nas putida): 140 mg/l 5 h
II Sodiu	ım [2-[(2,6-dichlorophe	envl)aminolphenyllac	etate:
	ity to fish	:		s promelas (fathead minnow)): 166.6 mg/l ১ h
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
Toxici plants	ity to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
			NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
Toxici icity)	ity to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
	ity to daphnia and other ic invertebrates (Chron- icity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
(+)-Bo	ornan-2-one:			
	ity to fish	:	LC50 (Danio rerio Exposure time: 96 Method: OECD Te	



rsion)	Revision Date: 06.04.2024	-	S Number: 6971-00019	Date of last issue: 30.09.2023 Date of first issue: 02.05.2016
II			Remarks: Base	d on data from similar materials
	ty to daphnia and other ic invertebrates	:	Exposure time: Method: OECD	magna (Water flea)): > 1 - 10 mg/l 48 h Test Guideline 202 d on data from similar materials
Toxici plants	ty to algae/aquatic	:	10 mg/l Exposure time: Method: OECD	kirchneriella subcapitata (green algae)): > ′ 72 h Test Guideline 201 d on data from similar materials
			- 0.1 mg/l Exposure time: Method: OECD	kirchneriella subcapitata (green algae)): > (72 h Test Guideline 201 d on data from similar materials
Toxici	ty to microorganisms	:		
Persi	stence and degradabil	ity		
<u>Comp</u>	oonents:			
	latum:			
Biode	gradability	:	Biodegradation Exposure time: Method: OECD	
Methy	/l salicylate:			
Biode	gradability	:	Result: Readily Biodegradation Exposure time:	98.4 %
(+)-Bo	ornan-2-one:			
	gradability	:		biodegradable. Test Guideline 301F d on data from similar materials
Bioac	cumulative potential			
<u>Comp</u>	oonents:			
	oxide:			



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Bioad	ccumulation		orhynchus mykiss (rainbow trout) ion factor (BCF): 78 - 2,060
Partit	yl salicylate: ion coefficient: n- iol/water	: log Pow: 2.55	
Sodi	um [2-[(2,6-dichloroph	enyl)amino]pheny	I]acetate:
Partit	ion coefficient: n- ol/water	: log Pow: 4.51	-
Partit	ornan-2-one: ion coefficient: n- iol/water	: log Pow: 2.3	
	lity in soil ata available		
	r adverse effects ata available		
Section 1	3: Disposal considera	tions	
Disp	osal methods		
Wast	e from residues		e of waste into sewer.
		Dispose of in	accordance with local regulations.
Conta	aminated packaging	: Empty contain dling site for r	hers should be taken to an approved waste han- ecycling or disposal. Se specified: Dispose of as unused product.
		: Empty contain dling site for r If not otherwis	ners should be taken to an approved waste han- ecycling or disposal.
	aminated packaging 4: Transport informati	: Empty contain dling site for r If not otherwis	ners should be taken to an approved waste han- ecycling or disposal.
Section 1		: Empty contain dling site for r If not otherwis	ners should be taken to an approved waste han- ecycling or disposal.
Section 1	4: Transport informati national Regulations	: Empty contain dling site for r If not otherwis	ners should be taken to an approved waste han- ecycling or disposal.
Section 1 Inter UNR UN n	4: Transport informati national Regulations	 Empty contain dling site for r If not otherwis ON UN 3077 ENVIRONME N.O.S. (Zinc oxide, \$ 	ners should be taken to an approved waste han- ecycling or disposal. se specified: Dispose of as unused product. NTALLY HAZARDOUS SUBSTANCE, SOLID, Sodium [2-[(2,6-
Section 1 Intern UNR UN n UN p Trans Pack	4: Transport informati national Regulations TDG umber roper shipping name sport hazard class(es) ing group	 Empty contain dling site for r If not otherwis on UN 3077 ENVIRONME N.O.S. (Zinc oxide, \$ dichloropheny) 9 III 	ners should be taken to an approved waste han- ecycling or disposal. se specified: Dispose of as unused product.
Section 1 Intern UNR UN n UN p Trans Pack Labe	4: Transport informati national Regulations TDG umber roper shipping name sport hazard class(es) ing group	 Empty contain dling site for r If not otherwis on UN 3077 ENVIRONME N.O.S. (Zinc oxide, S dichloropheny) 9 III 9 	ners should be taken to an approved waste han- ecycling or disposal. se specified: Dispose of as unused product. NTALLY HAZARDOUS SUBSTANCE, SOLID, Sodium [2-[(2,6-
Section 1 Intern UNR UN n UN p Trans Pack Labe Envir	4: Transport informational Regulations TDG umber roper shipping name sport hazard class(es) ing group ls onmental hazards	 Empty contain dling site for r If not otherwis on UN 3077 ENVIRONME N.O.S. (Zinc oxide, \$ dichloropheny) 9 III 	ners should be taken to an approved waste han- ecycling or disposal. se specified: Dispose of as unused product. NTALLY HAZARDOUS SUBSTANCE, SOLID, Sodium [2-[(2,6-
Section 1 Intern UNR UN n UN p Trans Pack Labe Envir	4: Transport informational Regulations TDG umber roper shipping name sport hazard class(es) ing group ls onmental hazards -DGR	 Empty contain dling site for r If not otherwis on UN 3077 ENVIRONME N.O.S. (Zinc oxide, S dichloropheny) 9 III 9 	ners should be taken to an approved waste han- ecycling or disposal. se specified: Dispose of as unused product. NTALLY HAZARDOUS SUBSTANCE, SOLID, Sodium [2-[(2,6-
Section 1 Intern UNR UN n UN p Trans Pack Labe Envir IATA UN/II	4: Transport informational Regulations TDG umber roper shipping name sport hazard class(es) ing group ls onmental hazards -DGR	 Empty contain dling site for r If not otherwis on UN 3077 ENVIRONME N.O.S. (Zinc oxide, S dichloropheny) 9 III 9 yes UN 3077 Environmenta (Zinc oxide, S 	ners should be taken to an approved waste han- ecycling or disposal. se specified: Dispose of as unused product. NTALLY HAZARDOUS SUBSTANCE, SOLID, Sodium [2-[(2,6-



Version 9.0	Revision Date: 06.04.2024		OS Number: 6971-00019	Date of last issue: 30.09.2023 Date of first issue: 02.05.2016
Labe Pack aircra	ing instruction (cargo	:	Miscellaneous 956	
Pack ger a	Packing instruction (passen- ger aircraft) Environmentally hazardous		956 yes	
UN n	G-Code lumber er shipping name	:	N.O.S. (Zinc oxide, Sodiu	ALLY HAZARDOUS SUBSTANCE, SOLID, um [2-[(2,6- nino]phenyl]acetate)
Pack Labe EmS	sport hazard class(es) ing group Is Code ne pollutant	:	9 III 9 F-A, S-F 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.

Section 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations. Environmental Protection and Management Act and : Not applicable Environmental Protection and Management (Hazardous Substances) Regulations Fire Safety (Petroleum and Flammable Materials) : Not applicable Regulations The components of this product are reported in the following inventories: AICS not determined : DSL not determined 1 IECSC not determined :

Section 16: Other information



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Rev	vision Date	:	06.04.2024	
Fur	ther information			
	urces of key data used to npile the Safety Data eet	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
	ns where changes have be cument by two vertical lines		made to the previo	us version are highlighted in the body of this
Dat	te format	:	dd.mm.yyyy	
Ful	I text of other abbreviation	ons		
	GIH OEL	:	Singapore. Workp	eshold Limit Values (TLV) blace Safety and Health (General Provisions) t Schedule Permissible Exposure Limits of 5.
AC SG	GIH / TWA GIH / STEL OEL / PEL (long term) OEL / PEL (short term)	: :		

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



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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.

SG / EN