

Sulfapyridine Formulation

Versi 4.1	ion	Revision Date: 28.09.2024		DS Number: 24964-00011	Date of last issue: 06.04.2024 Date of first issue: 09.04.2020				
SEC	SECTION 1: Identification of the substance/mixture and of the company/undertaking								
	1.1 Product identifier								
	Trade r	name	:	Sulfapyridine For	mulation				
1.2 R	Relevan	nt identified uses of t	he s	substance or mixt	ure and uses advised against				
		the Sub- /Mixture	:	Pharmaceutical					
	Recom on use	mended restrictions	:	Not applicable					
1.3 D	Details	of the supplier of the	e saf	ety data sheet					
	Compa	ny	:	MSD 20 Spartan Road 1619 Spartan, So	outh Africa				
	Telepho	one	:	+27119239300					
		address of person sible for the SDS	:	EHSDATASTEW.	ARD@msd.com				

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 3 Skin sensitisation, Category 1 Reproductive toxicity, Category 1A Specific target organ toxicity - single exposure, Category 1 Long-term (chronic) aquatic hazard, Category 3 H301: Toxic if swallowed.

H317: May cause an allergic skin reaction.

H360F: May damage fertility.

H370: Causes damage to organs.

H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms



Signal word

Hazard statements :



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		H360F May dama H370 Causes da	e an allergic skin reaction. age fertility. amage to organs. aquatic life with long lasting effects.
Precau	itionary statements	P273 Avoid rele	ecial instructions before use. ase to the environment. ective gloves/ protective clothing/ eye protec- on.
		POISON CENTEF P308 + P311 IF CENTER/ doctor.	30 IF SWALLOWED: Immediately call a / doctor. Rinse mouth. exposed or concerned: Call a POISON skin irritation or rash occurs: Get medical

Hazardous components which must be listed on the label:

Sulfapyridine Benzyl cinnamate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Dust contact with the eyes can lead to mechanical irritation.

Contact with dust can cause mechanical irritation or drying of the skin.

May form combustible dust concentrations in air during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Sulfapyridine	144-83-2 205-642-7	Acute Tox. 2; H300 Skin Sens. 1; H317 Repr. 1A; H360F STOT SE 1; H370 Aquatic Chronic 2; H411	>= 10 - < 20
Benzyl benzoate	120-51-4 204-402-9 607-085-00-9	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute	>= 0,25 - < 1



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Benz	yl cinnamate	103-41-3 203-109-3	aquatic toxicity): 1Skin Sens. 1B; H317 Aquatic Acute 1; H400

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
Protection of first-aiders	:	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).
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Call a physician or poison control centre immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
4.2 Most important symptoms	and e	ffects, both acute and delayed
Risks	:	Toxic if swallowed. May cause an allergic skin reaction. May damage fertility. Causes damage to organs.
		Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.



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	4.3 Indication of any immediate medical attention and special treatment needed Treatment : Treat symptomatically and supportively.							
SEC	TION 5: F	Firefighting meas	sur	es				
5.1 E	xtinguish	ing media						
S	Suitable ex	xtinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical				
	Unsuitable media	extinguishing	:	None known.				
5.2 S	pecial ha	zards arising from	the	substance or mi	xture			
	Specific ha fighting	azards during fire-	:	Exposure to comb	pustion products may be a hazard to health.			
	Hazardous ucts	s combustion prod-	:	Carbon oxides				
5.3 A	dvice for	firefighters						
5		otective equipment	:		e, wear self-contained breathing apparatus. rective equipment.			
	Specific ex ods	tinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do			
SEC	TION 6: A	Accidental releas	se n	neasures				
6.1 P	ersonal n	recautions protec	tive	equipment and e	emergency procedures			
	-	precautions	:	Use personal prot Follow safe handl	rective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).			
6.2 E	nvironme	ental precautions						
_								

Environmental precautions : Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.



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		with compress Dust deposits a es, as these m leased into the Local or nation posal of this m employed in th mine which reg Sections 13 an	I of dust in the air (i.e., clearing dust surfaces ed air). should not be allowed to accumulate on surfac- ay form an explosive mixture if they are re- atmosphere in sufficient concentration. al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- gulations are applicable. Id 15 of this SDS provide information regarding national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	
Technical measures :	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding
Local/Total ventilation :	and bonding, or inert atmospheres. If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling :	Do not get on skin or clothing. Do not breathe dust, fume, gas, mist, vapours or spray. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
Hygiene measures : 7.2 Conditions for safe storage, inc	environment. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
1.2 Conditions for safe storage, Inc	lucing any incompatibilities

Requirements for storage
areas and containers:Keep in properly labelled containers. Store locked up. Keep
tightly closed. Store in accordance with the particular national



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		r	egulations.	
Advic	e on common storage	S C E	Strong oxidizing	bstances and mixtures
7.3 Specif	ic end use(s)			
Speci	fic use(s)	: N	lo data availab	le

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Sulfapyridine	144-83-2	TWA	0.25 mg/m3 (OEB 2)	Internal
	Further inform	nation: DSEN		
		Wipe limit	0.1 mg/100 cm2	Internal

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

	· ·	• •	· · /	
Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Benzyl benzoate	Workers	Inhalation	Long-term systemic effects	14,1 mg/m3
	Workers	Inhalation	Acute systemic ef- fects	70,5 mg/m3
	Workers	Skin contact	Long-term systemic effects	4 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	2,48 mg/m3
	Consumers	Inhalation	Acute systemic ef- fects	12,4 mg/m3
	Consumers	Skin contact	Long-term systemic effects	1,42 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	1,42 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
Petrolatum	Oral (Secondary Poisoning)	9,33 mg/kg food
Benzyl benzoate	Fresh water	0,003 mg/l
	Marine water	0,322 µg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	2,043 mg/kg dry weight (d.w.)
	Marine sediment	0,204 mg/kg dry weight (d.w.)



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		Soil	0,406 mg/kg weight (d.w.)	

8.2 Exposure controls

Engineering measures

Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

Personal protective equipment							
Eye/face protection		Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.					
Hand protection							
Material	:	Chemical-resistant gloves					
Skin and body protection	:	Work uniform or laboratory coat.					
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	:	Combined particulates and organic vapour type (A-P)					

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	solid No data available No data available No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form combustible dust concentrations in air during pro- cessing, handling or other means.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	Not applicable



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	Relativ	e vapour density	:	Not applicable	
	Relative density		:	No data available	9
	Density	/	:	No data available	9
	Partitio octano Auto-ig Decom Viscosi Visco Explos	ter solubility n coefficient: n- l/water nition temperature position temperature	::	No data available Not applicable No data available No data available Not applicable Not explosive The substance o	9
9.2 Other information			No data available	_	
		ability (liquids)	:	No data available	
	Particle	ılar weight ə size	:	No data available	

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: May form combustible dust concentrations in air during pro- cessing, handling or other means. Can react with strong oxidizing agents.
10.4 Conditions to avoid	
Conditions to avoid	: Heat, flames and sparks.

Conditions to avoid

Heat, flames and sparks. Avoid dust formation.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.



ersion .1	Revision Date: 28.09.2024	SDS Number: 5624964-00011		Date of last issue: 06.04.2024 Date of first issue: 09.04.2020
ECTION	N 11: Toxicological	infor	mation	
1.1 Infor	mation on toxicologi	cal ef	fects	
Inforr expos	nation on likely routes sure	of :	Inhalation Skin contact Ingestion Eye contact	
Acut	e toxicity			
Toxic	if swallowed.			
Prod	uct:			
Acute	e oral toxicity	:	Acute toxicity e Method: Calcula	stimate: 158 mg/kg ation method
Com	ponents:			
Sulfa	pyridine:			
Acute	e oral toxicity	:	LD50 (Rat): 15,	8 mg/kg
Benz	yl benzoate:			
Acute	e oral toxicity	:	Method: Expert	stimate: 500 mg/kg judgement d on national or regional regulation.
Acute	e dermal toxicity	:	LD50 (Rabbit):	> 2.000 mg/kg
Benz	yl cinnamate:			
Acute	e oral toxicity	:	LD50 (Rat): 2.6 Remarks: Base	10 mg/kg d on data from similar materials
Acute	e dermal toxicity	:	LD50 (Rabbit): Remarks: Base	> 5.000 mg/kg d on data from similar materials
Skin	corrosion/irritation			
Not c	lassified based on ava	ilable	information.	
Com	ponents:			
Benz	yl benzoate:			
Species Method Result		:	Rabbit OECD Test Gui No skin irritatior	
Benz	yl cinnamate:			
Spec	-	:	Rabbit	
Result Remarks		:	No skin irritation Based on data	n from similar materials



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Serio	us eye damage/eye	irritation	
Not cl	assified based on av	ailable information	۱.
Comp	oonents:		
Benzy	yl benzoate:		
Speci		: Rabbit	
Resul		: No eye in	itation
Benzy	yl cinnamate:		
Speci	es	: Rabbit	
Resul		: No eye ir	
Rema	irks	: Based on	data from similar materials
Respi	iratory or skin sens	tisation	
_	sensitisation		
May c	ause an allergic skin	reaction.	
Respi	iratory sensitisation		
Not cl	assified based on av	ailable information	۱.
<u>Comp</u>	oonents:		
Sulfa	pyridine:		
Asses	sment	: May caus	e sensitisation by skin contact.
Benzy	yl benzoate:		
Test T	Гуре		ph node assay (LLNA)
	sure routes	: Skin cont	act
Speci		: Mouse	at Cuideline 100
Metho Resul		: DECD Te	st Guideline 429
Resul	L .	. negative	
-	yl cinnamate:		
Test T		: Maximisa	
Expos	sure routes	: Skin cont : Guinea p	
Metho			9 st Guideline 406
Rema			data from similar materials
Asses	ssment	: Probabilit rate in hu	y or evidence of low to moderate skin sensitisatio mans
Germ	cell mutagenicity		
	assified based on av	ailable information	۱.
<u>Comp</u>	oonents:		
-	pyridine:		
Genot	toxicity in vitro		e: In vitro sister chromatid exchange assay in man
		malian ce Result: po	
		ivesuit. p	1911 A C



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			hromosome aberration test in vitro Chinese hamster cells ive
Genotoxicity in vivo		: Test Type: M cytogenetic a Species: Mou Cell type: Bou Result: negat	ise arrow
Germ sessr	i cell mutagenicity- As- nent	: Weight of evi cell mutagen.	dence does not support classification as a ger
Benz	yl benzoate:		
Geno	toxicity in vitro	: Test Type: Ba Result: negat	acterial reverse mutation assay (AMES) ive
		Test Type: In Result: negat	vitro mammalian cell gene mutation test ive
		Test Type: Cl Result: negat	hromosome aberration test in vitro ive
Genotoxicity in vivo		mammalian li Species: Rat Application R Result: negat	nscheduled DNA synthesis (UDS) test with ver cells in vivo oute: Ingestion ive sed on data from similar materials
Benz	yl cinnamate:		
Genotoxicity in vitro		Method: OEC Result: negat	vitro mammalian cell gene mutation test CD Test Guideline 476 ive sed on data from similar materials
		malian cells Result: negat	vitro sister chromatid exchange assay in man ive sed on data from similar materials
		Result: negat	acterial reverse mutation assay (AMES) ive sed on data from similar materials

Components:

Sulfapyridine:



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	ment				
	Benzv	I benzoate:			
	Specie	S	:	Rat	
	Result	ation Route		Ingestion negative	
	Remar		:		om similar materials
	Benzy	I cinnamate:			
	Specie		:	Rat	
		ation Route	:	Ingestion	
	Result	ure time	:	105 weeks negative	
	Remar	ks	:		om similar materials
	Specie		:	Mouse	
		ation Route ure time	:	Ingestion 105 weeks	
	Result		÷	negative	
	Remar		:		om similar materials
	-	ductive toxicity amage fertility.			
	Comp	onents:			
	Sulfap	yridine:			
		ductive toxicity - As-	:		e of adverse effects on sexual function and an epidemiological studies.
	Benzy	I benzoate:			
	Effects	on fertility	:	Test Type: Two-g Species: Rat Application Route	generation reproduction toxicity study
				Result: negative	on data from similar materials
	Effects	on foetal develop-	:		yo-foetal development
	ment			Species: Rat Application Route Result: negative	e: Ingestion
	Benzy	I cinnamate:			
	Effects	on fertility	:	reproduction/dev Species: Rat Application Route Method: OECD T Result: negative	est Guideline 422
					on data from similar materials
	Effects ment	on foetal develop-	:	Test Type: Embr Species: Rat	yo-foetal development



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	ite: Ingestion e d on data from similar materials			
	- single exposure es damage to organs.			
	oonents:			
Sulfa	pyridine:			
Expos	sure routes ssment	:		ice significant health effects in animals at cor 00 mg/kg bw or less.
sтот	- repeated exposure			
Not cl	assified based on avail	lable	information.	
Repe	ated dose toxicity			
<u>Comp</u>	oonents:			
Benz	yl benzoate:			
Speci		:	Rat	
NOAE		:	> 100 mg/kg	
	cation Route sure time	:	Ingestion 13 Weeks	
Rema		:		rom similar materials
Speci	es	:	Rat	
NOAE		:	781 mg/kg	
LOAE		:	1.250 mg/kg	
	cation Route sure time	:	Skin contact 4 Weeks	
Expo		•	4 WEEKS	
	yl cinnamate:			
Speci		:	Rat, male	
NOAE		:	275 mg/kg	
	cation Route sure time	÷	Ingestion 90 Days	
Rema		÷		rom similar materials
	arks ration toxicity	:	Based on data f	rom similar materials
-	lassified based on avail	lable	information.	
Expe	rience with human ex	posu	re	
<u>Comp</u>	oonents:			
Sulfa	pyridine:			
	contact	:	Symptoms: Ser	
Inges	tion	:		strointestinal disturbance
			Symptoms: Ser	
			Symptoms: Hea	

Symptoms: hepatitis



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			Symptoms: Steve	ens-Johnson syndrome	
SECTIO	N 12: Ecological infor	rma	tion		
12.1 Tox	licity				
Con	nponents:				
Sulf	apyridine:				
Toxi plan	icity to algae/aquatic its	:	EC10 (Raphidoce mg/l End point: Growth Exposure time: 72		
Ben	zyl benzoate:				
Tox	icity to fish	:	Exposure time: 96	(zebra fish)): 2,32 mg/l 3 h 67/548/EEC, Annex V, C.1.	
	icity to daphnia and other atic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te		
Toxi plan	icity to algae/aquatic its	:	ErC50 (Raphidoce 0,475 mg/l Exposure time: 72 Method: OECD Te		
			NOEC (Raphidoc 0,247 mg/l Exposure time: 72 Method: OECD To		
M-F icity	actor (Acute aquatic tox-)	:	1		
Tox	icity to microorganisms	:	EC50 (activated s Exposure time: 3 Method: ISO 8192		
Toxi icity	icity to fish (Chronic tox-)	:	EC10: 0,032 mg/l Exposure time: 35 Species: Danio re Method: OECD Te	5 d rio (zebra fish)	
aqua	icity to daphnia and other atic invertebrates (Chron- xicity)		NOEC: 0,258 mg/ Exposure time: 21 Species: Daphnia Method: OECD Te	l d magna (Water flea)	
	zyl cinnamate: icity to fish	:	LC50 (Danio rerio Exposure time: 96	(zebra fish)): > 0,643 mg/l 5 h	



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	y to daphnia and other c invertebrates	:	EL50 (Daphnia magna (Water flea)): 2,8 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202
Toxicit plants	y to algae/aquatic	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,380 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
			EC10 (Pseudokirchneriella subcapitata (green algae)): 0,122 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Fact icity)	tor (Acute aquatic tox-	:	1
Toxicit	y to microorganisms	:	EC50 : > 100 mg/l Exposure time: 3 h Method: ISO 8192
			Remarks: Based on data from similar materials
	stence and degradabil	ity	
Comp	onents:	ity	
<u>Comp</u> Benzy	-	ity :	,
Compo Benzy Biodeg Benzy	onents: I benzoate:	-	Result: Readily biodegradable. Biodegradation: 94 % Exposure time: 28 d
Compe Benzy Biodeg Benzy Biodeg	onents: I benzoate: gradability I cinnamate:	-	Result: Readily biodegradable. Biodegradation: 94 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.D. Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 7 d
Compo Benzy Biodeg Benzy Biodeg 2.3 Bioace	onents: I benzoate: gradability I cinnamate: gradability	-	Result: Readily biodegradable. Biodegradation: 94 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.D. Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 7 d
Compe Benzy Biodeg Benzy Biodeg 2.3 Bioace Compe Benzy	onents: I benzoate: gradability I cinnamate: gradability cumulative potential onents: I benzoate:	-	Result: Readily biodegradable. Biodegradation: 94 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.D. Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 7 d Remarks: Based on data from similar materials
Compe Benzy Biodeg Benzy Biodeg 2.3 Bioace Compe Benzy Partitic	onents: I benzoate: gradability I cinnamate: gradability cumulative potential onents:	-	Result: Readily biodegradable. Biodegradation: 94 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.D. Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 7 d Remarks: Based on data from similar materials
Compe Benzy Biodeg Benzy Biodeg 2.3 Bioacc Compe Benzy Partitic octano	onents: I benzoate: gradability I cinnamate: gradability cumulative potential onents: I benzoate: on coefficient: n-	:	Result: Readily biodegradable. Biodegradation: 94 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.D. Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 7 d Remarks: Based on data from similar materials



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	ility in soil ata available		
12.5 Resu	Its of PBT and vPvB a	ssessment	
<u>Prod</u> Asse	<u>uct:</u> ssment	to be either p	ce/mixture contains no components considered ersistent, bioaccumulative and toxic (PBT), or nt and very bioaccumulative (vPvB) at levels of er.
12.6 Othe	er adverse effects		
Prod	uct:		
Endo tial	crine disrupting poten-	ered to have REACH Artic	e/mixture does not contain components consid- endocrine disrupting properties according to le 57(f) or Commission Delegated regulation 00 or Commission Regulation (EU) 2018/605 at 6 or higher.
SECTION	N 13: Disposal consi	derations	
13.1 Was	te treatment methods		
Prod	uct	•	accordance with local regulations. the European Waste Catalogue, Waste Codes

Contaminated packaging Contaminated packaging
--

SECTION 14: Transport information

14.1 UN number

ADN	:	UN 2811
ADR	:	UN 2811
RID	:	UN 2811
IMDG	:	UN 2811
ΙΑΤΑ	:	UN 2811
14.2 UN proper shipping name		
ADN	:	TOXIC SOLID, ORGANIC, N.O.S. (Sulfapyridine)
ADR	:	TOXIC SOLID, ORGANIC, N.O.S. (Sulfapyridine)
RID	:	TOXIC SOLID, ORGANIC, N.O.S.



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			(Sulfapyridine)	
IMD	G	:	TOXIC SOLID, O (Sulfapyridine)	RGANIC, N.O.S.
IAT	A	:	Toxic solid, organ (Sulfapyridine)	ic, n.o.s.
14.3 Tra	nsport hazard class(es)			
			Class	Subsidiary risks
ADI	N	:	6.1	
AD	र	:	6.1	
RID		:	6.1	
IMD	G	:	6.1	
IAT	A	:	6.1	
	king group	-		
Clas	king group ssification Code ard Identification Number	:	III T2 60 6.1	
ADI		•	0.1	
Pac Clas Haz Lab	king group ssification Code ard Identification Number	:	III T2 60 6.1 (E)	
RID		•	(-)	
Pac Clas	king group ssification Code ard Identification Number	::	III T2 60 6.1	
IMD	G			
Lab	king group els S Code	:	III 6.1 F-A, S-A	
	A (Cargo)	•	,	
Pac	king instruction (cargo	:	677	
Pac	king instruction (LQ)	:	Y645	
Pac Lab	king group els	:	III Toxic	
	A (Passenger)	•	. 5/10	
Pac ger	king instruction (passen- aircraft)	:	670	
Pac	king instruction (LQ) king group	:	Y645 III	
Lab		÷	Toxic	
14.5 Env	vironmental hazards			



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ADI Envi	I ironmentally hazardous	: no	
ADF Envi	R ironmentally hazardous	: no	
RID Envi	ironmentally hazardous	: no	
IMD Mari	G ine pollutant	: no	
14.6 Sne	cial precautions for us	٥r	

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks

: Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 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

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Other information	:	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.		
Full text of H-Statements				
H300	:	Fatal if swallowed.		
H302	:	Harmful if swallowed.		
H317	:	May cause an allergic skin reaction.		
H360F	:	May damage fertility.		
H370	:	Causes damage to organs if swallowed.		
H400	:	Very toxic to aquatic life.		
H411	:	Toxic to aquatic life with long lasting effects.		
Full text of other abbreviations				
Acute Tox.	:	Acute toxicity		
Aquatic Acute	:	Short-term (acute) aquatic hazard		



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Aquat Repr. Skin S STOT	Sens.	: Reproductive to : Skin sensitisati	•
ADN -	· European Agreeme	nt concerning the Inter	national Carriage of Dangerous Goods b

Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; 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

Further information

Sources of key data used to compile the Safety Data Sheet	eChei	al technical data, data from raw material SDSs, OECD m Portal search results and European Chemicals Agen- p://echa.europa.eu/
Classification of the mixture	e:	Classification procedure:
Acute Tox. 3	H301	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 1A	H360F	Calculation method
STOT SE 1	H370	Calculation method
Aquatic Chronic 3	H412	Calculation method



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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.

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