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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier Trade name	:	Albendazole Sulfoxide (10%) Formulation
1.2	Relevant identified uses of th	ne s	substance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Veterinary product
	Recommended restrictions on use	:	Not applicable
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	MSD Walton Manor, Walton MK7 7AJ Milton Keynes - United Kingdom
	Telephone	:	+1-908-740-4000
	E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@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) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin sensitisation, Category 1 Reproductive toxicity, Category 2 Specific target organ toxicity - single ex- posure, Category 2	H317: May cause an allergic skin reaction. H361d: Suspected of damaging the unborn child. H371: May cause damage to organs.
Specific target organ toxicity - repeated exposure, Category 2 Short-term (acute) aquatic hazard, Cate- gory 1	H373: May cause damage to organs through pro- longed or repeated exposure. H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Cat- egory 1	H410: Very toxic to aquatic life with long lasting effects.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :		
Signal word :	Warning	•
Hazard statements :	H317 H361d H371 H373 H410	May cause an allergic skin reaction. Suspected of damaging the unborn child. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
Precautionary statements :	Preventio	n:
	P201 P273 P280	Obtain special instructions before use. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
	Response	:
	P308 + P3	11 IF exposed or concerned: Call a POISON CENTER/ doctor.
	P333 + P3	13 If skin irritation or rash occurs: Get medical advice/ attention.
	P391	Collect spillage.

Hazardous components which must be listed on the label: Albendazole Sulfoxide

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Albendazole Sulfoxide	54029-12-8	Acute Tox. 4; H302 Skin Sens. 1B; H317	>= 10 - < 20

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			Repr. 2; H361d STOT SE 2; H371 (Gastrointestinal tract, Central nerv- ous system) STOT RE 2; H373 (Gastrointestinal tract, Central nerv- ous system, Im- mune system, Liv- er) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10
	ances with a workpla		
Glyce	rine	56-81-5 200-289-5	>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	vice immediately.	dent or if you feel unwell, seek medical ad- ersist or in all cases of doubt seek medical
Protection of first-aiders	and use the recom	rs should pay attention to self-protection, mended personal protective equipment for exposure exists (see section 8).
If inhaled	If inhaled, remove Get medical attent	
In case of skin contact	of water. Remove contamina Get medical attenti Wash clothing befo	
In case of eye contact		ater as a precaution. ion if irritation develops and persists.



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If swallowed		:	Get medical atten Rinse mouth tho	NOT induce vomiting. ntion. roughly with water. ing by mouth to an unconscious person.	
4.2 Most i	mportant symptoms ar	nd e	effects, both acut	e and delayed	
Risks		:	 May cause an allergic skin reaction. Suspected of damaging the unborn child. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. 		
4.3 Indica	tion of any immediate	meo	lical attention an	d special treatment needed	
Treat	ment	:	Treat symptomat	tically and supportively.	
SECTION	N 5: Firefighting meas	sur	es		
5.1 Exting	uishing media				
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (Dry chemical		
Unsu media	itable extinguishing a	:	: None known.		
5.2 Specia	al hazards arising from	the	substance or m	ixture	
Spec fightir		:	Exposure to com	bustion products may be a hazard to health.	
Haza ucts	rdous combustion prod-	:	Carbon oxides Nitrogen oxides (Sulphur oxides	(NOx)	
5.3 Advic	e for firefighters				
Spec	ial protective equipment efighters	:		re, wear self-contained breathing apparatus. btective equipment.	
Spec ods	ific extinguishing meth-	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. aged containers from fire area if it is safe to de	

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

Entri official probaditorio	•	
		Prevent further leakage or spillage if safe to do so.
		Prevent spreading over a wide area (e.g. by containment or oil
		barriers).
		Retain and dispose of contaminated wash water.
		If spillage enters rivers or watercourses, inform the Environ-
		ment Agency (emergency telephone number 0800 807060).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Soak up with inert absorbent material. For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent.
		Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or 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	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not get on skin or clothing.
_		Do not breathe mist or vapours.
		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
		Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
		• • •



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Hygiene measures		:	environment. If exposure to chemical is likely during typical use, provide ey 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.	
7.2 Cond	itions for safe storage,	inc	luding any incom	patibilities
	uirements for storage s and containers	:		labelled containers. Store locked up. Store in the particular national regulations.
Advi	ce on common storage	:	Do not store with Strong oxidizing a Gases	the following product types: agents
7.3 Spec	ific end use(s)			
Spec	cific use(s)	:	No data available	
			No data available	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Albendazole Sul- foxide	54029-12-8	TWA	45 µg/m3 (OEB 3)	Internal
	Further information: DSEN			
		Wipe limit	100 µg/100 cm2	Internal
Glycerine	56-81-5	TWA (Mist)	10 mg/m3	GB EH40

Derived No Effect Level (DNEL)

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Glycerine	Workers	Inhalation	Long-term local ef- fects	56 mg/m3
	Consumers	Ingestion	Long-term systemic effects	229 mg/kg bw/day
	Consumers	Inhalation	Long-term local ef- fects	33 mg/m3

Predicted No Effect Concentration (PNEC)

Substance name	Environmental Compartment	Value
----------------	---------------------------	-------

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Albendazole Sulfoxide	Water	0.00004 mg/l
Glycerine	Fresh water	0.885 mg/l
	Marine water	0.0885 mg/l
	Intermittent use/release	8.85 mg/l
	Sewage treatment plant	1000 mg/l
	Fresh water sediment	3.3 mg/kg dry weight (d.w.)
	Marine sediment	0.33 mg/kg dry weight (d.w.)
	Soil	0.141 mg/kg dry weight (d.w.)

8.2 Exposure controls

Engineering measures

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

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

Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).

Minimize open handling.

Personal protective equipment

Eye/face protection Hand 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.
Material	:	Chemical-resistant gloves
Remarks Skin and body protection	:	Consider double gloving. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
Respiratory protection Filter type	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to BS EN 14387 Combined particulates and organic vapour type (A-P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: suspension
Colour	: white

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	Odour Odour	Threshold	:	No data available No data available	
	рН		:	No data available)
	Melting	point/freezing point	:	No data available)
		oiling point and boiling	:	No data available)
	range Flash p	point	:	Not applicable	
	Evapor	ation rate	:	No data available)
	Flamm	ability (solid, gas)	:	Not applicable	
		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	
	Vapou	rpressure	:	No data available	
	Relativ	e vapour density	:	No data available	
	Relativ	e density	:	No data available	
	Density	/	:	No data available	
	Partitio octano	ter solubility n coefficient: n- l/water	:	No data available Not applicable	
	-	nition temperature	:	No data available	
		position temperature	•	No data available	3
	Viscosi Visc	cosity, kinematic	:	No data available)
	Explos	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance of	r mixture is not classified as oxidizing.
9.2	Other ir	nformation			
	Flamm	ability (liquids)	:	No data available)
	Molecu	ılar weight	:	No data available	
	Particle	e size	:	No data available	

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SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity h	Not classified as a reactivity hazard.						
10.2 Chemical stability Stable under normal conditions.							
10.3 Possibility of hazardous rea	acti	ons					
Hazardous reactions	:	Can react with strong oxidizing agents.					
10.4 Conditions to avoid							
Conditions to avoid	:	None known.					
10.5 Incompatible materials							
Materials to avoid	:	Oxidizing agents					
10.6 Hazardous decomposition							
No hazardous decomposition	pro	aucts are known.					
SECTION 11: Toxicological in	for	mation					
11.1 Information on toxicologica							
Information on likely routes of exposure	:	Inhalation Skin contact					
exposure		Ingestion					
		Eye contact					
Acute toxicity							
Not classified based on availa	ble	information.					
Product:							
Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method					
Components:							
Albendazole Sulfoxide:							
Acute oral toxicity	:	LD50 (Mouse): 1,500 mg/kg					
		LD50 (Rat): 2,400 mg/kg					
Acute toxicity (other routes of administration)	:	LD50 (Rat): 265 mg/kg Application Route: Intravenous					
Glycerine:							
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg					

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Acute	e dermal toxicity	: LD50 (Guinea pi	ig): > 5,000 mg/kg
Skin	corrosion/irritation		
Not cl	assified based on ava	ailable information.	
Comp	oonents:		
Alber	ndazole Sulfoxide:		
Speci Resul		: Rabbit : No skin irritation	
Glyce	erine:		
Speci		: Rabbit	
Resul	lt	: No skin irritation	
Serio	us eye damage/eye	irritation	
Not cl	lassified based on ava	ailable information.	
<u>Comp</u>	oonents:		
Alber	ndazole Sulfoxide:		
Speci		: Rabbit	
Resul	It	: No eye irritation	
Glyce	erine:		
Speci		: Rabbit	
Resul	lt	: No eye irritation	
Resp	iratory or skin sensi	tisation	
Skin	sensitisation		
May c	ause an allergic skin	reaction.	
-	iratory sensitisation		
	assified based on available	ailable information.	
<u>Comp</u>	oonents:		
	ndazole Sulfoxide:		
Test 7		: Maximisation Te	st
	sure routes ssment	: Dermal : Probability or ev	idence of low to moderate skin sensitisatio
Resul	lt	rate in humans : positive	
		·	
Test T	Гуре sure routes	: Maximisation Te : Dermal	est
	lt	: Sensitiser	

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	cell mutagenicity lassified based on ava	ailable information.	
<u>Com</u>	ponents:		
Alber	ndazole Sulfoxide:		
Geno	toxicity in vitro	: Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
			omosomal aberration ninese hamster ovary cells
Geno	toxicity in vivo	: Test Type: Micro Species: Mouse Cell type: Bone Result: negative	marrow
Glyce	erine:		
Geno	toxicity in vitro	: Test Type: In vit Result: negative	tro mammalian cell gene mutation test
		Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
		Test Type: Chro Result: negative	pmosome aberration test in vitro
			damage and repair, unscheduled DNA s alian cells (in vitro)

Not classified based on available information.

Components:

Albendazole Sulfoxide:

Species Application Route Exposure time NOAEL Result	:	Mouse Oral 2 Years 400 mg/kg body weight negative
Species Application Route Exposure time NOAEL Result	:	Rat Oral 2 Years 20 mg/kg body weight negative
Carcinogenicity - Assess- ment	:	No evidence of carcinogenicity in animal studies.

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Versio 7.1	on	Revision Date: 28.09.2024		S Number: 74123-00017	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
S A E			: : :	Rat Ingestion 2 Years negative	
	•	luctive toxicity ted of damaging the u	nboi	n child.	
<u>c</u>	Compo	nents:			
		azole Sulfoxide: on fertility	:	Test Type: Fertility Species: Rat Application Route Fertility: NOAEL: 3 Result: No effects	: Oral 30 mg/kg body weight
	Effects	on foetal develop-	:	Result: Embryotox Test Type: Develor Species: Rabbit Application Route Developmental To Result: Embryotox toxicity observed. Test Type: Develor Species: Rat Application Route Developmental To Result: Effects on Test Type: Develor Species: Rat Application Route Developmental To	: Oral pxicity: LOAEL: 10 mg/kg body weight xic effects., Skeletal malformations ppment : Oral pxicity: LOAEL: 30 mg/kg body weight xic effects., Skeletal malformations, Maternal ppment : Oral postnatal development poment : Oral postnatal development : Oral postnatal development : Oral pixicity: LOAEL: 7 mg/kg body weight xic effects and adverse effects on the off-
	Reprod	uctive toxicity - As- nt	:	Suspected of dam	naging the unborn child.
	Hyceri Effects	ne: on fertility	:	Test Type: Two-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study : Ingestion

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Ver 7.1	sion	Revision Date: 28.09.2024	-	9S Number: 74123-00017	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
	Effects ment	s on foetal develop-	:	Test Type: Embry Species: Rat Application Route Result: negative	vo-foetal development e: Ingestion
		- single exposure ause damage to organs	s.		
	<u>Comp</u>	onents:			
	Alben	dazole Sulfoxide:			
		ure routes Organs sment	:	Oral Gastrointestinal to May cause dama	ract, Central nervous system ge to organs.
	STOT	- repeated exposure			
	May ca	ause damage to organs	s thr	ough prolonged or	repeated exposure.
	<u>Comp</u>	onents:			
	Alben	dazole Sulfoxide:			
		ure routes Organs	:	Oral Gastrointestinal to tem, Liver	ract, Central nervous system, Immune sys-
	Asses	sment	:		ge to organs through prolonged or repeated
	Repea	ted dose toxicity			
	<u>Comp</u>	onents:			
	Alben	dazole Sulfoxide:			
	Specie		:	Rat	
		- ation Route		168 mg/kg Oral	
	Expos	ure time	:	4 Weeks	
	Target Sympt	Organs	÷	Gastrointestinal to Diarrhoea, Vomiti	
			•	Diaimoea, voinit	
	Specie LOAEI		÷	Dog 48 mg/kg	
		- ation Route	÷	Oral	
		ure time	:	4 Weeks	
	Target Sympt	Organs	÷	Gastrointestinal to	
	Sympt	UIIIS	•	Diarrhoea, Vomit	ing
	Specie		÷	Mouse	
		- ation Route	:	40 mg/kg Oral	
		ure time	÷	3 Months	
	Target	Organs	:	Blood, Liver, Nos	
	Sympt	oms	:	Hematologic effe	cts, Liver effects

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Specie		: Rat
LOAE		: >= 30 mg/kg
	ation Route	: Oral
	sure time	: 6 Months
	t Organs	: Blood
Symp	toms	: Hematologic effects
Specie		: Dog
LOAE		: 40 mg/kg
	ation Route	: Oral
	sure time	: 6 Months
	t Organs	: Blood, Liver
Symp	toms	: Hematologic effects, Liver effects
Specie		: Rat
NOAE		: 7 mg/kg
	ation Route	: Oral
	sure time	: 60 d
	t Organs	: Liver, Testis
Symp	toms	: Liver effects, male reproductive effects
Glyce	erine:	
Specie	es	: Rat
NOAE		: 0.167 mg/l
LOAE		: 0.622 mg/l
	ation Route	: inhalation (dust/mist/fume)
	sure time	: 13 Weeks
Specie	es	: Rat
NOAE		: 8,000 - 10,000 mg/kg
Applic	ation Route	: Ingestion
	sure time	: 2 yr
Specie	es	: Rabbit
NOAE		: 5,040 mg/kg
Applic	ation Route	: Skin contact
Expos	sure time	: 45 Weeks
Aspir	ation toxicity	
-	assified based on ava	ilable information.
Exper	rience with human e	cposure
<u>Comp</u>	oonents:	
Alben	dazole Sulfoxide:	
Gener	ral Information	: Symptoms: Allergic reactions, hair loss, Gastrointestinal dis- turbance, Headache, Dizziness
Skin d	contact	: Target Organs: Skin
-		Symptoms: Allergic reactions



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Ingest	ion	Symptoms: Gas dominal pain Target Organs: Symptoms: Hea Target Organs: Symptoms: live Target Organs:	Gastrointestinal tract strointestinal disturbance, Diarrhoea, Ab- Central nervous system adache, Dizziness Liver r function change Immune system nune system effects

SECTION 12: Ecological information

12.1 Toxicity

Components:

Albendazole Sulfoxide:		
Toxicity to fish	:	EC50 (Brachydanio rerio (zebrafish)): 0.042 mg/l Exposure time: 144 hrs
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.068 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Raphidocelis subcapitata (freshwater green alga)): 0.024 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox- icity)	:	10
M-Factor (Chronic aquatic toxicity)	:	10
Glycerine:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1,955 mg/l Exposure time: 48 h
Toxicity to microorganisms	:	NOEC (Pseudomonas putida): > 10,000 mg/l Exposure time: 16 h Method: DIN 38 412 Part 8

12.2 Persistence and degradability

<u>Components:</u> Glycerine:

Biodegradability	:	Result: Readily biodegradable.
		Biodegradation: 92 %

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		Exposure tir Method: OE	ne: 30 d CD Test Guideline 301D
12.3 Bioa	accumulative potential		
<u>Com</u>	ponents:		
Albe	endazole Sulfoxide:		
	ition coefficient: n- nol/water	: log Pow: 1.2 pH: 7	27
Part	cerine: ition coefficient: n- nol/water	: log Pow: -1.	75
	bility in soil lata available		
12.5 Res	ults of PBT and vPvB a	issessment	
	<u>duct:</u> essment	to be either	nce/mixture contains no components considered persistent, bioaccumulative and toxic (PBT), or ent and very bioaccumulative (vPvB) at levels of ner.
12.6 Oth	er adverse effects		
	duct: ocrine disrupting poten-	ered to have	nce/mixture does not contain components consid- e endocrine disrupting properties for environment OK REACH Article 57(f).
SECTIO	N 13: Disposal consi	derations	
13.1 Was	ste treatment methods		
Proc		According to are not proc Waste code discussion	n accordance with local regulations. the European Waste Catalogue, Waste Codes uct specific, but application specific. s should be assigned by the user, preferably in with the waste disposal authorities. ose of waste into sewer.
Con	taminated packaging	: Empty conta dling site for	niners should be taken to an approved waste han- recycling or disposal.

SECTION 14: Transport information

14.1 UN number

If not otherwise specified: Dispose of as unused product.

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ADR		:	UN 3082		
RID		:	UN 3082		
IMDG		:	UN 3082		
ΙΑΤΑ		:	UN 3082		
14.2 UN pr	oper shipping name				
ADN		:	ENVIRONMENT N.O.S. (Albendazole Su	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
ADR		:	ENVIRONMENT N.O.S. (Albendazole Su	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
RID		:	ENVIRONMENT N.O.S. (Albendazole Su	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
IMDG		:	ENVIRONMENT N.O.S. (Albendazole Su	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
ΙΑΤΑ		:	Environmentally hazardous substance, liquid, n.o.s. (Albendazole Sulfoxide)		
14.3 Trans	port hazard class(es)				
			Class	Subsidiary risks	
ADN		:	9		
ADR			9		
RID			9		
IMDG			9		
IATA			9		
14.4 Packi	na aroun	•	0		
	ng group				
Classi	ng group fication Code d Identification Number	:	III M6 90 9		
Classi Hazar Labels Tunne RID	ng group fication Code d Identification Number i I restriction code	:	III M6 90 9 (-) III		

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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Vers 7.1	sion	Revision Date: 28.09.2024		OS Number: 74123-00017	Date of last issue: 06.07.2024 Date of first issue: 27.08.2021
		cation Code Identification Number	:	M6 90 9	
	IMDG Packing Labels EmS C		:	III 9 F-A, S-F	
	aircraft	g instruction (cargo) g instruction (LQ)	:	964 Y964 III Miscellaneous	
	IATA (I Packing ger airc Packing	Passenger) g instruction (passen- craft) g instruction (LQ) g group	:	964 Y964 III Miscellaneous	
14.5	14.5 Environmental hazards				
		mentally hazardous	:	yes	
	ADR Enviror	mentally hazardous	:	yes	
	RID Enviror	mentally hazardous	:	yes	
	IMDG Marine	pollutant	:	yes	
		Passenger) Imentally hazardous	:	yes	
	IATA (Enviror	Cargo) mentally hazardous	:	yes	
14 6	Snecia	I precautions for use	r		

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

Relevant EU provisions transposed through retained EU law

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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Version 7.1	Revision Date: 28.09.2024	SDS Number: 9374123-00017		f last issue: 06.07.2024 f first issue: 27.08.2021	
UK R	EACH List of restrictior	:	Conditions of restriction for lowing entries should be of Number on list 3		
				Substance(s) or mixture(s here according to their ap in the regulation, irrespec use/purpose or the condit restriction. Please refer to tions in corresponding Re determine whether an ent cable to the placing on the not.	pearance tive of their ions of the the condi- gulation to ry is appli-
	EACH Candidate list of ern (SVHC) for Authoris	⁻ substances of very high ation	י ו	Not applicable	
Regu	The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain) Regulation (EC) on substances that deplete the ozone layer UK REACH List of substances subject to authorisation (Annex XIV)			Not applicable	
Regu				Not applicable	
UK R				Not applicable	
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation Control of Major Accident Hazards Regulations 2015 (
E1		ENVIRONMENTA HAZARDS	NL.	Quantity 1 Quan 100 t 200 t	tity 2

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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

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		lines.			
Full te	ext of H-Statements				
H302 H317 H361c	1	 Harmful if swallowed. May cause an allergic skin reaction. Suspected of damaging the unborn child. May cause damage to organs if swallowed. May cause damage to organs through prolonged or repeated exposure if swallowed. 			
H371 H373					
H400 H410			Very toxic to aquatic life.Very toxic to aquatic life with long lasting effects.		
Full te	ext of other abbrevia	tions			
Aquati Repr. Skin S STOT STOT GB EH	ic Acute ic Chronic Sens. RE SE	: Long-term (chr Reproductive t Skin sensitisat Specific target Specific target UK. EH40 WE			
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inlan Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods b Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standar of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA European Chemicals Agency; EC-Number - European Community number; ECx - Concentratio associated with x% response; ELx - Loading rate associated with x% response; EmS - Emerger cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La boratory Practice; IARC - International Agency for Research on Cancer; IATA - International A Transport Association; IBC - International Code for the Construction and Equipment of Ships can rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna- tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISH - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization KECL - Korea Existing Chemicals Inventory (LS50 - Lathal Concentration to 50 % d a test popula					

- 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

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- 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		Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/	
Classification of the mixtur	e:		Classification procedure:
Skin Sens. 1	H3	17	Calculation method
Repr. 2	H3	61d	Calculation method
STOT SE 2	H3	71	Calculation method
STOT RE 2	H3	73	Calculation method
Aquatic Acute 1	H4	00	Calculation method
Aquatic Chronic 1	H4	10	Calculation method

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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