

Vers 4.0	ion	Revision Date: 06.07.2024		S Number: 357715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022			
SEC	SECTION 1. IDENTIFICATION							
	Produc	t name	:	: Levamisole (6.5%) / Oxyclozanide (13%) Formulation				
	Other r	neans of identification	:	COOPERS NILZ	AN LV ORAL DRENCH (36089)			
	Manufa	acturer or supplier's (	deta	ils				
	Company		:	MSD				
	Address		:		6th floor, Ciudad Autonoma rgentina C1013AAP			
	Telephone		:	908-740-4000				
	Emerge	ency telephone	:	1-908-423-6000				
	E-mail address		:	EHSDATASTEW	/ARD@msd.com			
	Recommended use of the cl		hem	ical and restriction	ons on use			
		mended use tions on use	:	Veterinary produ Not applicable	ct			

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification		
Acute toxicity (Oral)	:	Category 5
Serious eye damage/eye irritation	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure (Oral)	:	Category 2 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Brain, Liver)
Short-term (acute) aquatic hazard	:	Category 2
Long-term (chronic) aquatic hazard	:	Category 2

### **GHS** label elements

### SAFETY DATA SHEET



### Levamisole (6.5%) / Oxyclozanide (13%) Formulation

ersion 0	Revision Date: 06.07.2024	SDS Number: 10857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
Haza	rd pictograms		
Signa	ll Word	: Danger	
Haza	rd Statements	H318 Causes s H361d Suspec H371 May caus swallowed. H373 May caus longed or repea	armful if swallowed. serious eye damage. ted of damaging the unborn child. se damage to organs (Central nervous system se damage to organs (Brain, Liver) through pro ated exposure. aquatic life with long lasting effects.
Preca	autionary Statements	P202 Do not ha and understood P260 Do not br P264 Wash ski P270 Do not ea P273 Avoid rela	eathe mist or vapors. n thoroughly after handling. at, drink or smoke when using this product. ease to the environment. tective gloves/ protective clothing/ eye protec-
		water for sever and easy to do CENTER/ doct	exposed or concerned: Call a POISON
		<b>Storage:</b> P405 Store loc	ked up.
		Disposal:	of contents/ container to an approved waste
	r hazards which do no known.	ot result in classificat	ion

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Oxyclozanide	2277-92-1	>= 10 -< 20



>= 1 -< 5

## Levamisole (6.5%) / Oxyclozanide (13%) Formulation

Version 4.0	Revision Date: 06.07.2024	SDS Number: 10857715-00007		sue: 16.05.2024 sue: 29.09.2022
Silicio	c acid, aluminum salt	1	335-30-4	>= 5 -< 10
Leva	misole hydrochloride	1	6595-80-5	>= 5 -< 10

77-92-9

#### **SECTION 4. FIRST AID MEASURES**

Citric acid

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical
If inhaled	:	advice. 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	:	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.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms		Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and	:	May be harmful if swallowed. Causes serious eye damage.
delayed		Suspected of damaging the unborn child.
		May cause damage to organs if swallowed. May cause damage to organs through prolonged or repeated
		exposure.
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).
Notes to physician	:	Treat symptomatically and supportively.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Chlorine compounds Nitrogen oxides (NOx)
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.



Version 4.0	Revision Date: 06.07.2024		9S Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
	al protective equipment e-fighters	:	Remove undamag so. Evacuate area.	o cool unopened containers. ged containers from fire area if it is safe to do e, wear self-contained breathing apparatus. rective equipment.
SECTION	6. ACCIDENTAL RELE	ASI	EMEASURES	
tive e	Personal precautions, protec- tive equipment and emer- gency procedures			ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).
Enviro	onmental precautions	:	Prevent spreading oil barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages
	ods and materials for inment and cleaning up	:	For large spills, pro- containment to kee can be pumped, so container. Clean up remaining absorbent. Local or national up disposal of this mo- employed in the co- determine which mo- Sections 13 and 1	a absorbent material. rovide diking or other appropriate ep material from spreading. If diked material store recovered material in appropriate ng materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to regulations are applicable. 5 of this SDS provide information regarding tional requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures	See Engineering measures un CONTROLS/PERSONAL PR	
Local/Total ventilation Advice on safe handling	practice, based on the results assessment Keep container tightly closed. Do not eat, drink or smoke wh	s. contact with skin. andling. ood industrial hygiene and safety of the workplace exposure



Version	Revision Date:	SDS Number:	Date of last issue: 16.05.2024
4.0	06.07.2024	10857715-00007	Date of first issue: 29.09.2022
	tions for safe storage	Store locked up. Keep tightly close Store in accordation	nce with the particular national regulations. the following product types:

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Oxyclozanide	2277-92-1	TWA	0.4 mg/m3 (OEB 2)	Internal
Silicic acid, aluminum salt	1335-30-4	CMP	2 mg/m <sup>3</sup> (Aluminum)	AR OEL
Levamisole hydrochloride	16595-80-5	TWA	20 µg/m3 (OEB 3)	Internal
	Further inform	ation: Skin		
		Wipe limit	200 µg/100 cm <sup>2</sup>	Internal

#### Ingredients with workplace control parameters

	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	
Respiratory protection :	If adequate local exhaust ventilation is not available or

Respiratory protection Filter type Hand protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside th recommended guidelines, use respiratory protection. Particulates type	
·			
Material	:	Chemical-resistant gloves	
Remarks	:	Consider double gloving.	
Eye 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.	
Skin and body protection	:	Work uniform or laboratory coat.	
- 1		-	



Version	Revision Date:	SDS Number:	Date of last issue: 16.05.2024
4.0	06.07.2024	10857715-00007	Date of first issue: 29.09.2022
Hygie	ne measures	task being perfo disposable suits Use appropriate contaminated cl : If exposure to cl eye flushing sys working place. When using do Wash contamina The effective op engineering con appropriate deg	nemical is likely during typical use, provide tems and safety showers close to the not eat, drink or smoke. ated clothing before re-use. eration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, ne monitoring, medical surveillance and the

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	suspension
Color	:	yellow
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available



Version 4.0	Revision Date: 06.07.2024		S Number: 357715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
۲ Pari octa Auto	ubility(ies) Water solubility ition coefficient: n- inol/water bignition temperature	::	No data available Not applicable No data available	e
	omposition temperature	:	No data availabl	e
	cosity /iscosity, kinematic	:	No data available	e
Exp	losive properties	:	Not explosive	
Oxio	dizing properties	:	The substance c	or mixture is not classified as oxidizing.
Mol	ecular weight	:	No data available	e
	icle characteristics icle size	:	Not applicable	

#### 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

I

Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity May be harmful if swallowed.		
Product:		
Acute oral toxicity	:	Acute toxicity estimate: 2.513 mg/kg Method: Calculation method
Components:		
Oxyclozanide: Acute oral toxicity	:	LD50 (Rat): 3.519 mg/kg



/ersion I.0	Revision Date: 06.07.2024	-	0S Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
I			Target Organs: C	entral nervous system
Acute admir	toxicity (other routes of histration)	:	LDLo (sheep): 10 Application Route	
Silicio	c acid, aluminum salt:			
Acute	oral toxicity	:	LD50 (Rat, female Method: OECD T Assessment: The icity	
Acute	dermal toxicity	:	LD50 (Rabbit): > Remarks: Based	5.000 mg/kg on data from similar materials
Levar	nisole hydrochloride:			
	oral toxicity	:	LD50 (Rat): 180 r	ng/kg
			LD50 (Mouse): 22	23 mg/kg
			LD50 (Rabbit): 45	i8 mg/kg
Acute	inhalation toxicity	:	Remarks: No data	a available
Acute	dermal toxicity	:	Remarks: No data	a available
II Citric	acid:			
	oral toxicity	:	LD50 (Mouse): 5.	400 mg/kg
Acute	dermal toxicity	:	LD50 (Rat): > 2.0 Method: OECD To Assessment: The toxicity	
Skin	corrosion/irritation			
	assified based on availa	ble	information.	
-	<u>oonents:</u>			
Rema	<b>lozanide:</b> arks	:	Not classified due	e to lack of data.
<b>.</b>				
Silicio Speci	c acid, aluminum salt:		Rabbit	
Metho		÷	OECD Test Guide	eline 404
Resul Rema		:	No skin irritation Based on data fro	om similar materials
Levar	misole hydrochloride:			
Rema	arks	:	No data available	



Version 4.0	Revision Date: 06.07.2024	-	DS Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
Citric Speci Metho Resul	bd	: :	Rabbit OECD Test Guic No skin irritation	leline 404
Cause	us eye damage/eye ir es serious eye damage conents:		ion	
	lozanide:	:	Not classified du	e to lack of data.
Silicio Speci Metho		: :	Chicken eye Chorioallantoic n	nembrane vascularization assay
Resu	lt	:	Irreversible effec	ts on the eye
Leva Rema	misole hydrochloride: arks	:	No data available	9
Citric Speci Resul Metho	lt		Rabbit Irritation to eyes, OECD Test Guid	reversing within 21 days leline 405
Skin	iratory or skin sensiti sensitization lassified based on avail			
-	iratory sensitization assified based on avail	able	information.	
	<u>oonents:</u>			
	<b>lozanide:</b> es of exposure arks	:	Dermal Not classified du	e to lack of data.
Test	es of exposure es od		Local lymph nod Skin contact Mouse OECD Test Guid negative	



ersion D	Revision Date: 06.07.2024		DS Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022					
Levamisole hydrochloride: Remarks		:	: No data available						
Not c	n cell mutagenicity lassified based on availa ponents:	able	information.						
	lozanide:								
	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)					
				nosomal aberration man lymphocytes					
			Test Type: Mous Result: positive	e Lymphoma					
Geno	toxicity in vivo	:	Test Type: Micro Species: Mouse Application Route Result: negative						
			Test Type: unsch Species: Rat Cell type: Liver co Application Route Result: negative						
	cell mutagenicity -	:	Weight of eviden cell mutagen.	ce does not support classification as a ge					
Silici	c acid, aluminum salt:								
	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)					
			Result: negative	nosome aberration test in vitro on data from similar materials					
Geno	toxicity in vivo	:	cytogenetic test, Species: Rat Application Route Result: negative	genicity (in vivo mammalian bone-marrow chromosomal analysis) e: Ingestion on data from similar materials					
Leva	misole hydrochloride:								
	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)					



sion	Revision Date: 06.07.2024		OS Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
			Test Type: Chro Result: negative	mosome aberration test in vitro
Citric	acid:			
	toxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
			Test Type: in vit Result: positive	ro micronucleus test
			Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
Geno	toxicity in vivo	:		
II Carai	inogonioity			
	inogenicity	vailabla	information	
	i <b>nogenicity</b> lassified based on av	ailable	information.	
Not c		ailable	information.	
Not c <u>Com</u>	lassified based on av ponents:	ailable	information.	
Not c Com Oxyc	lassified based on av ponents: lozanide:	vailable		ie to lack of data.
Not c <u>Com</u>	lassified based on av ponents: lozanide:	vailable :		ie to lack of data.
Not c <u>Com</u> Oxyc Rema	lassified based on av ponents: lozanide: arks	:		ie to lack of data.
Not c Com Oxyc Rema Silici	lassified based on av ponents: clozanide: arks c acid, aluminum sa	:		e to lack of data.
Not c Com Oxyc Rema Silici Speci	lassified based on av ponents: clozanide: arks c acid, aluminum sa	:	Not classified du	e to lack of data.
Not c Com Oxyc Rema Silicie Speci Applio	lassified based on av ponents: clozanide: arks c acid, aluminum sa ies	:	Not classified du Rat	ie to lack of data.
Not c <u>Com</u> Oxyc Rema Silicit Speci Applid	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time	:	Not classified du Rat Ingestion	ie to lack of data.
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Expos	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time lt	:	Not classified du Rat Ingestion 104 weeks negative	e to lack of data. rom similar materials
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Expos Resu Rema	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time lt arks	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative	
Not c Com Oxyc Rema Silicia Speci Applia Expos Resu Resu Rema	lassified based on av ponents: clozanide: arks c acid, aluminum sa ies cation Route sure time lt arks misole hydrochlorid	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f	
Not c Com Oxyc Rema Silici Speci Applia Resu Resu Rema Leva	lassified based on av ponents: clozanide: arks c acid, aluminum sa ies cation Route sure time lt arks misole hydrochlorid ies	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f	
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Resu Rema Leval Speci Applia	lassified based on av ponents: clozanide: arks c acid, aluminum sa ies cation Route sure time lt arks misole hydrochlorid ies cation Route	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral	
Not c <u>Com</u> Oxyc Rema Silicit Speci Applid Resu Resu Rema Levat Speci Applid Expos	lassified based on av ponents: clozanide: arks c acid, aluminum sa ies cation Route sure time lt arks misole hydrochlorid ies cation Route sure time	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral 2 Years	rom similar materials
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Resu Rema Leval Speci Applia	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time lt arks misole hydrochlorid ies cation Route sure time EL	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral 2 Years 80 mg/kg body w	rom similar materials
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Resu Rema Leval Speci Applia Rema	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time lt arks misole hydrochlorid ies cation Route sure time EL arks	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral 2 Years 80 mg/kg body w	rom similar materials veight
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Resu Rema Leval Speci Applia Expos NOAH Rema	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time It arks misole hydrochlorid ies cation Route sure time EL arks ies	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral 2 Years 80 mg/kg body w No significant ad	rom similar materials veight
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Resu Rema Leva Speci Applia Expos NOAF Rema	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time It arks misole hydrochlorid ies cation Route sure time EL arks ies cation Route	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral 2 Years 80 mg/kg body o No significant ad Rat Oral	rom similar materials veight
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Resu Resu Rema Leva Speci Applia Expos NOAE Rema	lassified based on av ponents: lozanide: arks c acid, aluminum sa ies cation Route sure time It arks misole hydrochlorid ies cation Route sure time EL arks ies cation Route sure time EL arks	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral 2 Years 80 mg/kg body o No significant ad Rat Oral 2 Years	rom similar materials veight dverse effects were reported
Not c <u>Com</u> Oxyc Rema Silici Speci Applia Resu Rema Leva Speci Applia Expos NOAF Rema	lassified based on av ponents: clozanide: arks c acid, aluminum sa ies cation Route sure time lt arks misole hydrochlorid ies cation Route sure time EL arks ies cation Route sure time EL arks	: alt: : : :	Not classified du Rat Ingestion 104 weeks negative Based on data f Mouse Oral 2 Years 80 mg/kg body of No significant ad Rat Oral 2 Years 40 mg/kg body of	rom similar materials veight dverse effects were reported

Suspected of damaging the unborn child.



rsion	Revision Date: 06.07.2024		OS Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
<u>Comp</u>	oonents:			
Oxyc	lozanide:			
Effects on fertility		:	Species: Rat, ma Application Rout General Toxicity	e: Oral Parent: NOAEL: 25 - 35 mg/kg body weigh uced body weight, No effects on embryofeta evelopment.
			Species: Rat Application Rout General Toxicity	Parent: LOAEL: 75 - 100 mg/kg body weig uced body weight, No effects on embryofeta evelopment.
			Species: Rat Application Rout Early Embryonic weight	generation reproduction toxicity study e: Oral Development: LOAEL: 75 - 100 mg/kg boo oxicity., No teratogenic effects.
			Species: Rat Application Rout General Toxicity	generation reproduction toxicity study e: Oral Parent: LOAEL: 80 - 160 mg/kg body weig oxicity., No teratogenic effects., No effects o
Effect	s on fetal development	:		
Repro sessm	oductive toxicity - As- nent	:	Suspected of da	maging the unborn child.



Version 4.0	Revision Date: 06.07.2024		OS Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022			
	Silicic acid, aluminum salt: Effects on fetal development		: Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials				
Levar	nisole hydrochloride:						
	s on fertility	:	Test Type: Three-generation reproduction toxicity study Species: Rat Application Route: Oral Result: No significant adverse effects were reported				
Effect	Effects on fetal development		<ul> <li>Test Type: Embryo-fetal development Species: Rat Application Route: Oral Developmental Toxicity: NOAEL: 20 mg/kg body weight Result: Fetotoxicity.</li> </ul>				
			Species: Rabbit Application Route	oxicity: LOAEL: 40 mg/kg body weight			
Repro sessm	ductive toxicity - As- nent	:	Some evidence o animal experimer	f adverse effects on development, based on tts.			
Citric	acid:						
	s on fetal development	:	Test Type: One-g Species: Rat Application Route Result: negative	eneration reproduction toxicity study			
STOT	-single exposure ause damage to organs	s (Co	entral nervous syst	em) if swallowed.			
Comp	oonents:						
Route Targe	<b>ozanide:</b> s of exposure t Organs ssment	: : :	Oral Central nervous s May cause dama				

### Citric acid:

Assessment	:	May cause respiratory irritation.
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#### STOT-repeated exposure

May cause damage to organs (Brain, Liver) through prolonged or repeated exposure.



Version 4.0	Revision Date: 06.07.2024	SDS Number: 10857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
Comp	oonents:		
Targe	<b>ozanide:</b> t Organs sment	: Brain, Liver : May cause dat exposure.	mage to organs through prolonged or repeated
Levan	nisole hydrochloride:		
	t Organs sment	<ul><li>Blood, Testis</li><li>May cause dat exposure.</li></ul>	mage to organs through prolonged or repeated
Repea	ated dose toxicity		
Comp	oonents:		
Specie NOAE LOAE Applic	L L ation Route	: Rat : 9 mg/kg : 44,5 mg/kg : Oral	
	sure time t Organs toms	: 3 Months : Brain, Liver, sp : Liver effects	bleen, Adrenal gland
Expos	L L ation Route sure time t Organs	: Dog : 5 mg/kg : 25 mg/kg : Oral : 3 Months : Brain, Liver : blood effects, a	alteration in liver enzymes
Silicio	acid, aluminum salt:		
	EL cation Route sure time	: Rat : > 100 mg/kg : Ingestion : 104 Weeks : Based on data	from similar materials
Levan	nisole hydrochloride:		
Expos		: Rat : 2,5 mg/kg : Oral : 18 Months : Testis	
		: Dog : 20 mg/kg : Oral : 18 Months	



Version 4.0	Revision Date: 06.07.2024		DS Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
Targe	t Organs	:	Blood	
		:	Dog 40 mg/kg Oral 3 Months	
Citric	acid:			
	EL	:	Rat 4.000 mg/kg 8.000 mg/kg Ingestion 10 Days	
-	ation toxicity assified based on availa	ble	information.	
Comp	oonents:			
	l <b>ozanide:</b> oplicable			
Expe	rience with human exp	osı	ıre	
Comp	oonents:			
Oxyc	ozanide:			
Ingest	tion	:	Symptoms: May on nervous system of the syste	cause, Gastrointestinal disturbance, Central lepression
Levar	nisole hydrochloride:			
Ingest	tion	:	Symptoms: Naus tension	ea, Vomiting, Headache, Dizziness, hypo-
SECTION	12. ECOLOGICAL INFO	DRI	MATION	
Ecoto	oxicity			
<u>Comp</u>	oonents:			
Oxycl	ozanide:			

Oxyciozaniue.		
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,69 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
M-Factor (Acute aquatic tox- icitv)	:	1
M-Factor (Acute aquatic tox- icity) M-Factor (Chronic aquatic toxicity)	:	1
Silicic acid, aluminum salt:		

#### Ecotoxicology Assessment



Version 4.0	Revision Date: 06.07.2024		0S Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
Chroi	nic aquatic toxicity	:	No toxicity at the	limit of solubility.
Leva	misole hydrochloride:			
	ity to fish	:	LC50 (Oryzias lat Exposure time: 96 Method: OECD Te	
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia magna (Water flea)): 64 mg/l Exposure time: 48 h Method: OECD Test Guideline 202	
Citric	c acid:			
	ity to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): > 100 mg/l 5 h
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 24	nagna (Water flea)): 1.535 mg/l 4 h
Persi	istence and degradabili	ity		
Com	ponents:			
Охус	lozanide:			
Stabi	lity in water	:	Hydrolysis: 50 %( Method: OECD Te	
Citric	c acid:			
Biode	egradability	:	Result: Readily bi Biodegradation: 9 Exposure time: 28 Method: OECD To	97 %
Bioa	ccumulative potential			
Com	ponents:			
Охус	lozanide:			
	ion coefficient: n- ol/water	:	log Pow: 3,99 pH: 7 Method: OECD To	est Guideline 107
Citric	c acid:			
	ion coefficient: n- iol/water	:	log Pow: -1,72	
Mobi	lity in soil			
Com	ponents:			
	bution among environ-	:	log Koc: 4,83	



Version 4.0	Revision Date: 06.07.2024		DS Number: 857715-00007	Date of last issue: 16.05.2024 Date of first issue: 29.09.2022
ment	al compartments		Method: OECD	Test Guideline 106
••	Other adverse effects No data available			
SECTION	13. DISPOSAL CONS	SIDEF	RATIONS	
Disp	osal methods			
Wast	e from residues	:		of waste into sewer. cordance with local regulations.
Conta	aminated packaging	:	Empty container handling site for	s should be taken to an approved waste recycling or disposal. specified: Dispose of as unused product.

#### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

UNRTDG		
UN number		UN 3082
Proper shipping name	÷	
r topor ompping name	·	N.O.S.
		(oxyclozanide)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s.
		(Oxyclozanide)
Class	:	9
Packing group	:	
Labels	:	Miscellaneous
Packing instruction (cargo	:	964
aircraft)		004
Packing instruction (passen- ger aircraft)	:	964
Environmentally hazardous		ves
-	•	yes
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
		N.O.S.
Class		(Oxyclozanide) 9
Packing group	:	9 III
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes
manno pondant	•	,



Version	Revision Date:	SDS Number:	Date of last issue: 16.05.2024
4.0	06.07.2024	10857715-00007	Date of first issue: 29.09.2022

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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/legislation specific for the substance or mixture

Argentina. Carcinogenic Substances and Agents: Not applicableRegistry.Control of precursors and essential chemicals for the: Not applicable

control of precursors and essential chemicals for the : Not applicable preparation of drugs.

#### The ingredients of this product are reported in the following inventories:

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

#### **SECTION 16. OTHER INFORMATION**

Revision Date	: (	06.07.2024
Date format	: 0	dd.mm.yyyy

#### Further information

Sources of key data used to :	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

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

#### Full text of other abbreviations

AR OEL	:	Argentina. Occupational Exposure Limits
AR OEL / CMP	:	TLV (Threshold Limit Value)

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



Version	Revision Date:	SDS Number:	Date of last issue: 16.05.2024
4.0	06.07.2024	10857715-00007	Date of first issue: 29.09.2022

x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless 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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