

Version 2.10	Revision Date: 14.08.2024	SDS Number: 4834925-00012	Date of last issue: 30.09.2023 Date of first issue: 10.09.2019					
SECTIO	ON 1: Identification of	the substance/mi	xture and of the company/undertaking					
1.1 Pro	duct identifier							
Tra	ide name	: Diminazene / F	Phenazone Formulation					
Use	<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> Use of the Sub- : Veterinary product stance/Mixture							
	commended restrictions use	: Not applicable						
1.3 Deta	ails of the supplier of the	e safety data sheet						
	mpany	: MSD 20 Spartan Roa 1619 Spartan,						
Tel	ephone	: +27119239300						
	E-mail address of person : EHSDATASTEWARD@msd.com responsible for the SDS							
	ergency telephone numb 908-423-6000	er						
	ON 2: Hazards identifions of the substan							
	ssification (REGULATIO		161					
Ski Spe	n irritation, Category 2 ecific target organ toxicity sure, Category 1	H31	5: Causes skin irritation. 0: Causes damage to organs.					
Spe	ecific target organ toxicity posure, Category 1		2: Causes damage to organs through pro- ed or repeated exposure.					
2.2 Lab	el elements							
	<b>belling (REGULATION (E</b> zard pictograms	C) No 1272/2008)	!					
Sig	nal word	: Danger	V					
Ha	zard statements	H370 Causes	skin irritation. damage to organs. damage to organs through prolonged or re-					
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		peated exposure.	
Precau	tionary statements	P270 Do not ea	n thoroughly after handling. t, drink or smoke when using this product. ective gloves.
		Response:	
		CENTER/ doctor. P332 + P313 If attention.	exposed or concerned: Call a POISON skin irritation occurs: Get medical advice/ ake off contaminated clothing and wash it

Hazardous components which must be listed on the label: Diminazene

### 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)
Diminazene	536-71-0 208-644-6	Skin Irrit. 2; H315 STOT SE 1; H370 (Brain) STOT RE 1; H372 (Brain)	>= 30 - < 50
Phenazone	60-80-0 200-486-6	Acute Tox. 4; H302	>= 1 - < 10

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 if symptoms occur. In case of skin contact : In case of contact, immediately flush skin with plenty of wate for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. In case of eye contact : Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. If swallowed : If swallowed DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Rines mouth thoroughly with water. Never give anything by mouth to an unconscious person. 4.2 Most important symptoms and effects, both acute and delayed Risks : Causes skin irritation. Causes damage to organs. Causes damage to organs. Sectiton 5: Firefighting media Suitable extinguishing media Suitable extinguishing media S.2 Special hazards arising from the substance or mixture Specific hazards during fire- fighting Hazardous combustion prod- ucts Nitrogen oxides (NOx)	Version 2.10	Revision Date: 14.08.2024		0S Number: 34925-00012	Date of last issue: 30.09.2023 Date of first issue: 10.09.2019	
Get medical attention if symptoms occur.         In case of skin contact       : In case of contact, immediately flush skin with plenty of wate for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.         In case of eye contact       : Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.         If swallowed       : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.         22 Most important symptoms and effects, both acute and delayed Risks       : Causes skin irritation. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.         4.3 Indication of any immediate medical attention and special treatment needed Treatment       : Treat symptomatically and supportively.         SECTION 5: Firefighting measures       : S1 Extinguishing media Unsuitable extinguishing media : Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical         Unsuitable extinguishing media : 2 Special hazards arising from the substance or mixture Specific hazards during fire- fighting       : None known.         * 2 Special hazards during fire- fighting       : Exposure to combustion products may be a hazard to health fighting						
for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. In case of eye contact : Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. If swallowed : If swallowed, DO NOT induce vomiting unless directed to de so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. <b>4.2 Most important symptoms and effects, both acute and delayed</b> Risk : Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. <b>4.3 Indication of any immediate medical attention and special treatment needed</b> Treatment : Treat symptomatically and supportively. <b>5.1 Extinguishing media</b> Suitable extinguishing media : Water spray Alcohol-resistant foam Carbon dixide (CO2) Dry chemical Unsuitable extinguishing : None known. media <b>5.2 Special hazards arising from the substance or mixture</b> Specific hazards during fire- fighting Hazardous combustion prod- : Carbon oxides	lf inh	naled	:			
Get medical attention if irritation develops and persists.         If swallowed       :       If swallowed, DO NOT induce vomiting unless directed to do so by medical attention. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.         4.2 Most important symptoms and effects, both acute and delayed       Risks       :         Risks       :       Causes skin irritation. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.         4.3 Indication of any immediate medical attention and special treatment needed Treatment       :       Treat symptomatically and supportively.         SECTION 5: Firefighting measures       :       Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical         Unsuitable extinguishing media       :       None known.         specific hazards arising from the substance or mixture Specific hazards during fire- fighting       :       None known media         Hazardous combustion prod-       :       Carbon oxides       :	In case of skin contact		:	for at least 15 m and shoes. Get medical atte Wash clothing b	inutes while removing contaminated clothing ntion. efore reuse.	
so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. <b>1.2 Most important symptoms and effects, both acute and delayed</b> Risks : Causes skin irritation. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. <b>1.3 Indication of any immediate medical attention and special treatment needed</b> Treatment : Treat symptomatically and supportively. <b>5.1 Extinguishing media</b> Suitable extinguishing media : Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Unsuitable extinguishing : None known. media <b>5.2 Special hazards arising from the substance or mixture</b> Specific hazards during fire- : Exposure to combustion products may be a hazard to health fighting Hazardous combustion prod- : Carbon oxides	In ca	ase of eye contact	:			
Risks       : Causes skin irritation. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.         4.3 Indication of any immediate medical attention and special treatment needed Treatment       : Treat symptomatically and supportively.         SECTION 5: Firefighting measures       : Treat symptomatically and supportively.         SECTION 5: Firefighting measures       : Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical         Unsuitable extinguishing media       : None known.         5.2 Special hazards arising from the substance or mixture Specific hazards during fire- fighting       : Exposure to combustion products may be a hazard to health fighting         Hazardous combustion prod-       : Carbon oxides	If swallowed		:	Get medical attention. Rinse mouth thoroughly with water.		
Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. A.3 Indication of any immediate medical attention and special treatment needed Treatment : Treat symptomatically and supportively. SECTION 5: Firefighting measures 5.1 Extinguishing media Suitable extinguishing media : Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Unsuitable extinguishing : None known. media 5.2 Special hazards arising from the substance or mixture Specific hazards during fire- fighting Hazardous combustion prod- : Carbon oxides	.2 Most	important symptoms a	nd e	effects, both acu	te and delayed	
Treatment       : Treat symptomatically and supportively.         SECTION 5: Firefighting measures         5.1 Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         : Water spray         Alcohol-resistant foam         Carbon dioxide (CO2)         Dry chemical         Unsuitable extinguishing       : None known.         media         5.2 Special hazards arising from the substance or mixture         Specific hazards during fire-       : Exposure to combustion products may be a hazard to health         Hazardous combustion prod-       : Carbon oxides	Risk	S	:	Causes damage Causes damage	to organs.	
Treatment       : Treat symptomatically and supportively.         SECTION 5: Firefighting measures         5.1 Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         : Water spray         Alcohol-resistant foam         Carbon dioxide (CO2)         Dry chemical         Unsuitable extinguishing       : None known.         secial       Special hazards arising from the substance or mixture         Specific hazards during fire-       : Exposure to combustion products may be a hazard to health         Hazardous combustion prod-       : Carbon oxides	4.3 Indica	ation of any immediate	med	lical attention ar	nd special treatment needed	
<ul> <li>5.1 Extinguishing media</li> <li>Suitable extinguishing media : Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical</li> <li>Unsuitable extinguishing : None known. media</li> <li>5.2 Special hazards arising from the substance or mixture Specific hazards during fire- fighting</li> <li>Hazardous combustion prod- : Carbon oxides</li> </ul>		-	:		-	
Suitable extinguishing media       :       Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical         Unsuitable extinguishing media       :       None known.         5.2 Special hazards arising from the substance or mixture Specific hazards during fire- fighting       :       Exposure to combustion products may be a hazard to health carbon oxides	SECTIO	N 5: Firefighting meas	sur	es		
Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Unsuitable extinguishing : None known. media 5.2 Special hazards arising from the substance or mixture Specific hazards during fire- : Exposure to combustion products may be a hazard to health fighting Hazardous combustion prod- : Carbon oxides	5.1 Extin	guishing media				
media 5.2 Special hazards arising from the substance or mixture Specific hazards during fire- : Exposure to combustion products may be a hazard to health fighting Hazardous combustion prod- : Carbon oxides	Suita	able extinguishing media	:	Alcohol-resistan Carbon dioxide (		
Specific hazards during fire-       : Exposure to combustion products may be a hazard to health fighting         Hazardous combustion prod-       : Carbon oxides		0 0	:	None known.		
fighting Hazardous combustion prod- : Carbon oxides	5.2 Spec	ial hazards arising from	the	e substance or m	ixture	
	Spec	cific hazards during fire-				
		ardous combustion prod-	:		(NOx)	



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5.3 Advice for firefighters Special protective equipment for firefighters		:		e, wear self-contained breathing apparatus. tective equipment.
Specific extinguishing meth- ods		:	cumstances and t Use water spray t	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do

### **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**

:	
	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.
	Local authorities should be advised if significant spillages cannot be contained.
	:

#### 6.3 Methods and material for containment and cleaning up

	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.
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## 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.



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Do not swall Avoid contac Wash skin th Handle in ac practice, bas sessment Do not eat, o Take care to environment Hygiene measures : If exposure t flushing syst place. When nated clothin The effective engineering appropriate o industrial hyg		Do not s Avoid cd Wash sl Handle practice sessme Do not e Take ca environ : If expos flushing place. V nated cl The effe enginee appropr industria	ontact with eyes. kin thoroughly after handling. in accordance with good industrial hygiene and safety by based on the results of the workplace exposure as- nt eat, drink or smoke when using this product. are to prevent spills, waste and minimize release to the	
	tions for safe storage,	-		
	irements for storage and containers		properly labelled containers. Store locked up. Store in ance with the particular national regulations.	
Advic	e on common storage	nmon storage : Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases		
7.3 Specif	ic end use(s)			
-	fic use(s)	: 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
Diminazene	536-71-0	TWA	150 μg/m3 (OEB 2)	Internal

#### 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. Laboratory operations do not require special containment.

### Personal protective equipment



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Eye/f	ace protection	If the work en mists or aeros Wear a facest	lasses with side shields or goggles. vironment or activity involves dusty conditions, ols, wear the appropriate goggles. hield or other full face protection if there is a frect contact to the face with dusts, mists, or
	l protection aterial	: Chemical-resi	stant gloves
Respi	and body protection iratory protection	: If adequate loc sure assessme ommended gu	or laboratory coat. cal exhaust ventilation is not available or expo- ent demonstrates exposures outside the rec- idelines, use respiratory protection.
ΓII	ter type	: Particulates ty	

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	liquid yellow-orange No data available No data available
рН	:	5,0 - 7,0
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
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility Partition coefficient: n- octanol/water Auto-ignition temperature	: :	No data available Not applicable No data available

## SAFETY DATA SHEET



# **Diminazene / Phenazone Formulation**

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Deco	mposition temperature	:	No data available	9
Visco Vi	sity scosity, kinematic	:	No data available	e
Explo	sive properties	:	Not explosive	
Oxidi	zing properties	:	The substance o	r mixture is not classified as oxidizing.
	<b>information</b> mability (liquids)	:	No data available	e
Molo	cular weight	:	No data available	9
woied	Salar Wolgin			
Partic SECTION 10.1 Reac	tivity		-	
Partic SECTION 10.1 Reac Not c 10.2 Cher	the size	nazar	vity	
Partic SECTION 10.1 Reac Not c 10.2 Cher Stable	tivity lassified as a reactivity h	nazar ns.	<b>/ity</b> d.	
Partic SECTION 10.1 Reac Not c 10.2 Cher Stable 10.3 Poss	tivity lassified as a reactivity h nical stability e under normal condition	nazar ns.	vity d.	rong oxidizing agents.
Partic SECTION 10.1 Reac Not c 10.2 Cher Stable 10.3 Poss Haza	cle size N 10: Stability and re- ctivity lassified as a reactivity h nical stability e under normal condition sibility of hazardous re-	nazar ns. <b>actio</b>	vity d.	rong oxidizing agents.
Partic SECTION 10.1 Reac Not c 10.2 Chen Stable 10.3 Poss Haza 10.4 Conc	tivity lassified as a reactivity h nical stability e under normal condition sibility of hazardous reactions	nazar ns. <b>actio</b>	vity d.	rong oxidizing agents.
Partic SECTION 10.1 Reac Not c 10.2 Chen Stable 10.3 Poss Haza 10.4 Conc Cond 10.5 Incor	A 10: Stability and re- stivity lassified as a reactivity h nical stability e under normal condition sibility of hazardous re- rdous reactions ditions to avoid itions to avoid mpatible materials	nazar ns. <b>actio</b>	<b>vity</b> rd. <b>ons</b> Can react with st	rong oxidizing agents.
Partic SECTION 10.1 Reac Not c 10.2 Chen Stable 10.3 Poss Haza 10.4 Conc Cond 10.5 Incor	cle size N 10: Stability and re- etivity lassified as a reactivity h nical stability e under normal condition sibility of hazardous re- rdous reactions ditions to avoid itions to avoid	nazar ns. <b>actio</b>	<b>vity</b> rd. <b>ons</b> Can react with st	
Partic SECTION 10.1 Reac Not c 10.2 Chen Stable 10.3 Poss Haza 10.4 Cond Cond 10.5 Incon Mater	A 10: Stability and re- stivity lassified as a reactivity h nical stability e under normal condition sibility of hazardous re- rdous reactions ditions to avoid itions to avoid mpatible materials	nazar ns. actio :	vity rd. ons Can react with st None known. Oxidizing agents	

Information on likely routes of : Inhalation exposure Skin conta

Skin contact Ingestion Eye contact

## Acute toxicity

Not classified based on available information.

### Product:



sion D	Revision Date: 14.08.2024	-	9S Number: 34925-00012	Date of last issue: 30.09.2023 Date of first issue: 10.09.2019
Acute	oral toxicity	:	Acute toxicity esti Method: Calculati	mate: > 2.000 mg/kg on method
Comp	onents:			
Dimin	azene:			
	toxicity (other routes of istration)	:	LD50 (Rat): 663 r Application Route	
			LD50 (Mouse): 25 Application Route	
			LDLo (Dog): 20 m Application Route	
Phena	azone:			
Acute	oral toxicity	:	LD50 (Cat): 1.250	) mg/kg
-	corrosion/irritation			
<u>Comp</u>	onents:			
Dimin	azene:			
Specie Result		:	Rabbit Skin irritation	
	<b>us eye damage/eye irri</b> assified based on availa			
Respi	ratory or skin sensitis	atio	'n	
	sensitisation assified based on availa	ble	information.	
-	ratory sensitisation assified based on availa	ble	information.	
Germ	cell mutagenicity assified based on availa			
	onents:	bie	iniomation.	
	azene:			
	oxicity in vitro	:	Test system: Salr	pial mutagenesis assay (Ames test) nonella typhimurium icity (Salmonella typhimurium - reverse mu-
			Test Type: Micror Test system: Mou	



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				ro mammalian cell gene mutation test inese hamster cells
Geno	toxicity in vivo	:	Test Type: Micro Species: Mouse Result: negative	
Germ sessn	cell mutagenicity- As- nent	:	Weight of evider cell mutagen.	nce does not support classification as a gerr
Phen	azone:			
-	toxicity in vitro	:	Test Type: Bactor Result: negative	erial reverse mutation assay (AMES)
Geno	toxicity in vivo	:	cytogenetic assa Species: Mouse Application Rout	e: Ingestion Test Guideline 474
	nogenicity	ahla	information.	
Not cl	lassified based on availa			
	lassified based on availa			
Repro	lassified based on availa <b>oductive toxicity</b> lassified based on availa		information.	
<b>Repro</b> Not cl	oductive toxicity		information.	
Repro Not cl <u>Comp</u>	oductive toxicity lassified based on availa		information.	
Repro Not cl <u>Comp</u> Dimir	oductive toxicity lassified based on availa ponents:		Test Type: repro Species: Rat Application Rout General Toxicity Developmental	oductive and developmental toxicity study re: Oral Maternal: LOAEL: 800 mg/kg body weight Foxicity: LOAEL: 800 mg/kg body weight etal malformations, Embryo-foetal toxicity
Repro Not cl <u>Comp</u> Dimir Effect	oductive toxicity lassified based on availa ponents: nazene:		Test Type: repro Species: Rat Application Rour General Toxicity Developmental Symptoms: Skel Test Type: repro Species: Rat Application Rour General Toxicity	e: Oral Maternal: LOAEL: 800 mg/kg body weight Foxicity: LOAEL: 800 mg/kg body weight etal malformations, Embryo-foetal toxicity oductive and developmental toxicity study

#### Phenazone:



rsion I0	Revision Date: 14.08.2024	SDS Number: 4834925-00012	Date of last issue: 30.09.2023 Date of first issue: 10.09.2019
Effect	s on fertility	: Test Type: Two Species: Rat Application Roo Result: negativ	
	<b>- single exposure</b> es damage to organs.		
	oonents:		
Dimir	nazene:		
Targe	sure routes t Organs ssment		uce significant health effects in animals at cor 1000 mg/kg bw or less.
	- repeated exposur		
		through prolonged or r	epeated exposure.
	oonents:		
	nazene:		
	sure routes t Organs	: Oral : Brain	
	ssment	: Causes damag exposure.	e to organs through prolonged or repeated
Asses Repe	esment ated dose toxicity ponents:		e to organs through prolonged or repeated
Asses Repe	ated dose toxicity		e to organs through prolonged or repeated
Asses Repe	ated dose toxicity ponents: nazene:	exposure.	e to organs through prolonged or repeated
Asses Repe Comp Dimir Speci NOAE	ated dose toxicity ponents: nazene: es EL	exposure. : Rat : 63 mg/kg	e to organs through prolonged or repeated
Asses Repe Comp Dimir Speci NOAE Applic	ated dose toxicity ponents: nazene: es	exposure.	e to organs through prolonged or repeated
Asses Repe Comp Dimir Speci NOAE Applic Expos	ated dose toxicity ponents: nazene: es EL cation Route sure time	exposure. : Rat : 63 mg/kg : Oral : 3 Months	e to organs through prolonged or repeated
Asses Repe Comp Dimir Speci NOAE Applic Expos	ated dose toxicity ponents: nazene: es EL cation Route sure time es	exposure. : Rat : 63 mg/kg : Oral : 3 Months : Rat	e to organs through prolonged or repeated
Asses Repe Comp Dimir Speci NOAE Applic Expos Speci NOAE	ated dose toxicity ponents: nazene: es EL cation Route sure time es	exposure. : Rat : 63 mg/kg : Oral : 3 Months	e to organs through prolonged or repeated
Asses Repe Comp Dimir Speci NOAE Applic Expos Speci NOAE Applic	ated dose toxicity ponents: nazene: es EL cation Route sure time es	exposure. : Rat : 63 mg/kg : Oral : 3 Months : Rat : 300 mg/kg	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci Expos Speci Expos	ated dose toxicity ponents: nazene: es EL cation Route sure time es EL cation Route sure time es	exposure. Rat 63 mg/kg Oral 3 Months Rat 300 mg/kg Oral 9 Months Dog	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci NOAE Applic Expos	ated dose toxicity ponents: nazene: es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time	exposure. Rat 63 mg/kg Oral 3 Months Rat 300 mg/kg Oral 9 Months Dog 60 mg/kg	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci NOAE Applic Expos Speci LOAE Applic	ated dose toxicity ponents: nazene: es EL cation Route sure time es EL cation Route sure time es EL cation Route	exposure. Rat 63 mg/kg Oral 3 Months Rat 300 mg/kg Oral 9 Months Dog 60 mg/kg Oral Oral	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci NOAE Applic Expos Speci LOAE Applic Expos	ated dose toxicity ponents: nazene: es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time	exposure. Rat 63 mg/kg Oral 3 Months Rat 300 mg/kg Oral 9 Months Dog 60 mg/kg Oral 9 Months	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci NOAE Applic Expos Speci LOAE Applic Expos	ated dose toxicity ponents: hazene: es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time to organs	exposure. Rat 63 mg/kg Oral 3 Months Rat 300 mg/kg Oral 9 Months Dog 60 mg/kg Oral Oral	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci NOAE Applic Expos Speci LOAE Applic Expos Speci S	ated dose toxicity ponents: hazene: es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time to organs	exposure. Rat 63 mg/kg Oral 3 Months Rat 300 mg/kg Oral 9 Months Dog 60 mg/kg Oral 9 Months E Dog 60 mg/kg 10 Oral 10 Oral	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci NOAE Applic Expos Speci LOAE Applic Expos Speci S	ated dose toxicity ponents: hazene: es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time torgans toms azone:	exposure. Rat 63 mg/kg Oral 3 Months Rat 300 mg/kg Oral 9 Months Dog 60 mg/kg Oral 9 Months E Dog 60 mg/kg 10 Oral 10 Oral	e to organs through prolonged or repeated
Asses Reper Comp Dimir Speci NOAE Applic Expos Speci LOAE Applic Expos Speci LOAE Applic Expos Speci LOAE Applic Expos Speci NOAE Applic Expos Speci NOAE Applic Expos	ated dose toxicity ponents: hazene: es EL cation Route sure time es EL cation Route sure time es EL cation Route sure time torgans toms azone: es	exposure. Rat G3 mg/kg Oral Rat 3 Months Rat 300 mg/kg Oral 9 Months Dog 60 mg/kg Oral 9 Months Brain, Testis Disorder	e to organs through prolonged or repeated



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Expo	sure time	: 6 Months		
•	r <b>ation toxicity</b> lassified based on ava	ailable information.		
Expe	rience with human e	xposure		
Com	ponents:			
Dimi	nazene:			
Inges	tion	Symptoms: pa	omiting s: Central nervous system iralysis s: Immune system	

## **SECTION 12: Ecological information**

## 12.1 Toxicity

## Components:

Phenazone:	
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Fliellazone.		
Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): >= 1.000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants		ErC50 (Selenastrum capricornutum (green algae)): > 1.000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Selenastrum capricornutum (green algae)): 10 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC50 : 16.900 mg/l Exposure time: 48 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 100 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

### 12.2 Persistence and degradability

### Components:

### Phenazone:



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Biodegradability		:	Result: Not inher Biodegradation: Exposure time: 2	
12.3 Bioa	ccumulative potential			
Com	ponents:			
Partit	nazone: tion coefficient: n- nol/water	:	log Pow: 0,38	
	<b>ility in soil</b> ata available			
12.5 Resu	ults of PBT and vPvB a	isse	ssment	
Prod	uct:			
Asse	ssment	:	to be either persi	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.6 Othe	er adverse effects			
Prod	uct:			
Endo tial	crine disrupting poten-	:	ered to have end REACH Article 5	hixture does not contain components consid- locrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.
SECTION	N 13: Disposal consi	der	ations	
13.1 Wast	te treatment methods			
Prode		:	According to the are not product s Waste codes sho discussion with the Do not dispose of	cordance with local regulations. European Waste Catalogue, Waste Codes specific, but application specific. buld be assigned by the user, preferably in he waste disposal authorities. If waste into sewer.
Conta	aminated packaging	:	dling site for recy	s should be taken to an approved waste han- voling or disposal.

## **SECTION 14: Transport information**

## 14.1 UN number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good

If not otherwise specified: Dispose of as unused product.



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IMDO		: Not regulated as a dangerous good	
IATA		: Not regulated as a dangerous good	
	broper shipping name		
-			
ADN		: Not regulated as a dangerous good	
ADR RID		: Not regulated as a dangerous good	
		: Not regulated as a dangerous good	
		: Not regulated as a dangerous good	
		: Not regulated as a dangerous good	
	sport hazard class(es		
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
ΙΑΤΑ		: Not regulated as a dangerous good	
14.4 Pack	king group		
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
ΙΑΤΑ	(Cargo)	: Not regulated as a dangerous good	
ΙΑΤΑ	(Passenger)	: Not regulated as a dangerous good	
	ronmental hazards egulated as a dangerou	s good	
•	cial precautions for us	۲ <b>۲</b>	
14.7 Tran	sport in bulk accordir	g to Annex II of Marpol and the IBC Code	
Rem	arks	: Not applicable for product as supplied.	

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-ture

The components of this product are reported in the following inventories:						
AICS	:	not determined				
DSL	:	not determined				
IECSC	:	not determined				





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#### 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

H302 :	:	Harmful if swallowed.
H315 :	:	Causes skin irritation.
H370 :	:	Causes damage to organs if swallowed.
H372 :	:	Causes damage to organs through prolonged or repeated
		exposure if swallowed.

#### Full text of other abbreviations

Acute Tox. :	Acute toxicity
Skin Irrit.	Skin irritation
STOT RE :	Specific target organ toxicity - repeated exposure
STOT SE :	Specific target organ toxicity - single exposure

ADN - European 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



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Furthe	r information			
	es of key data used to e the Safety Data	: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/		
Classi	fication of the mixture:		Classification procedure:	
Skin Irr	it. 2	H315	Calculation method	
STOT	SE 1	H370	Calculation method	
STOT	RE 1	H372	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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