



1			S Number: 9871-00010	Date of last issue: 04.04.2023 Date of first issue: 20.03.2019
ection 1:	dentification			
Produ	ict name	:	Diazoxide (<15%	%) Formulation
Manu	facturer or supplier's d	otai	le	
Comp		:	MSD	
Addre	255	:	33 Whakatiki Sti Upper Hutt - Ne	reet - Private Bag 908 w Zealand
Telep	hone	:	0800 800 543	
Emer	gency telephone number	:	0800 764 766 (0 CHEMCALL)	0800 POISON) 0800 243 622 (0800
E-mai	il address	:	EHSDATASTEV	VARD@msd.com
Baaa	mmended use of the ch		ical and restricti	
	mmended use		Pharmaceutical	
	ictions on use	:		
		•	Not applicable	
ection 2: GHS	Hazard identification			
ection 2: GHS	Hazard identification	·	Category 1	
<b>GHS</b> Repro	Hazard identification	:	Category 1	ncreas, Kidney, Heart)
GHS GHS Repro Speci repea	<b>Hazard identification Classification</b> Deductive toxicity fic target organ toxicity -	:	Category 1	ncreas, Kidney, Heart)
ection 2: GHS Repro Speci repea GHS	<b>Hazard identification</b> <b>Classification</b> oductive toxicity fic target organ toxicity - ted exposure	· : :	Category 1	ncreas, Kidney, Heart)
<b>GHS</b> Repro Speci repea <b>GHS</b> Hazar	<b>Hazard identification</b> <b>Classification</b> oductive toxicity fic target organ toxicity - ted exposure <b>label elements</b>	· · ·	Category 1	ncreas, Kidney, Heart)
ection 2: GHS Repro Speci repea GHS Hazar Signa	<b>Hazard identification Classification</b> Deductive toxicity fic target organ toxicity - ted exposure <b>label elements</b> rd pictograms	· · ·	Category 1 Category 1 (Par Category 1 (Par Danger H360D May dan H372 Causes da	ncreas, Kidney, Heart) nage the unborn child. amage to organs (Pancreas, Kidney, Hear ed or repeated exposure.
ection 2: GHS Repro Speci repea GHS Hazar Signa Hazar	<b>: Hazard identification</b> <b>Classification</b> oductive toxicity fic target organ toxicity - ted exposure <b>label elements</b> rd pictograms	· · ·	Category 1 Category 1 (Par Category 1 (Par Danger H360D May dan H372 Causes da through prolonge <b>Prevention:</b> P201 Obtain spe P264 Wash skin P270 Do not eat	nage the unborn child. amage to organs (Pancreas, Kidney, Hea





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tion/ face protection.

#### **Response:**

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

#### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 11.36 %

### Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form combustible dust concentrations in air during processing, handling or other means.

### Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Diazoxide	364-98-7	>= 10 -< 20

#### Section 4: 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.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and	:	May damage the unborn child. Causes damage to organs through prolonged or repeated





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delay Prote	red ection of first-aiders	<ul> <li>exposure.</li> <li>Contact with dust can cause mechanical irritation or drying the skin.</li> <li>Dust contact with the eyes can lead to mechanical irritatio</li> <li>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).</li> </ul>		
Notes	s to physician	: Treat symptoma	tically and supportively.	
Section 5	: Fire-fighting measure	5		
	ble extinguishing media	: Water spray Alcohol-resistan Carbon dioxide Dry chemical		
Unsu media	itable extinguishing a	: None known.		
Spec fightir	ific hazards during fire- ng	concentrations, potential dust ex	g dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a plosion hazard. nbustion products may be a hazard to health.	
Haza ucts	rdous combustion prod-	: Carbon oxides Chlorine compo Nitrogen oxides Sulphur oxides		
ods Spec	ific extinguishing meth- ial protective equipment efighters	cumstances and Use water spray Remove undam so. Evacuate area. : In the event of fi	ng measures that are appropriate to local cir- if the surrounding environment. to cool unopened containers. aged containers from fire area if it is safe to do re, wear self-contained breathing apparatus. otective equipment.	
Section 6	: Accidental release me	asures		
tive e	onal precautions, protec- quipment and emer- y procedures	Follow safe han	otective equipment. dling advice (see section 7) and personal pro- nt recommendations (see section 8).	
Envir	onmental precautions	Prevent further I Retain and disp	the environment. eakage or spillage if safe to do so. ose of contaminated wash water. s should be advised if significant spillages ined.	
	ods and materials for inment and cleaning up	tainer for dispos Avoid dispersal with compressed	of dust in the air (i.e., clearing dust surfaces	
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		leased into the Local or nation posal of this ma employed in the mine which reg Sections 13 an	ay form an explosive mixture if they are re- atmosphere in sufficient concentration. al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- iulations are applicable. d 15 of this SDS provide information regarding national requirements.
Section 7:	Handling and storage	9	
Techr	nical measures	causing an exp Provide adequa	y may accumulate and ignite suspended dust losion. ate precautions, such as electrical grounding r inert atmospheres.
Local	Total ventilation		tilation is unavailable, use with local exhaust
Advic	e on safe handling	: Do not get on s Do not breathe Do not swallow Avoid contact w Wash skin thor Handle in acco practice, based sessment Keep container Minimize dust g Keep container Keep away fror Take precautio Do not eat, drir	dust. vith eyes. oughly after handling. rdance with good industrial hygiene and safety I on the results of the workplace exposure as-
Hygie	ne measures	flushing system place. When using do Wash contamir The effective o engineering co appropriate deg	chemical is likely during typical use, provide ey as and safety showers close to the working not eat, drink or smoke. hated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the rative controls
Condi	tions for safe storage	: Keep in proper Store locked up Keep tightly clo	ly labelled containers.
Mater	ials to avoid		th the following product types:



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### Section 8: Exposure controls/personal protection

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Diazoxide	364-98-7	TWA	50 µg/m3 (OEB 3)	Internal
		Wipe limit	500 µg/100 cm <sup>2</sup>	Internal

Engineering measures :	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 con- tainment devices). Minimize open handling.	
Personal protective equipmer	ıt	
	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type	
Hand protection		
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. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.	

### Section 9: Physical and chemical properties

Appearance	:	powder
Colour	:	white
Odour	:	No data available
Odour Threshold	:	No data available



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	pН		:	No data available	9
		point/freezing point	:	No data available	
	-	piling point and boiling	-	No data available	
	Flash p	oint	:	No data available	9
	Evapora	ation rate	:	Not applicable	
	Flamma	ability (solid, gas)	:	May form combu cessing, handling	stible dust concentrations in air during pro- g or other means.
	Flamma	ability (liquids)	:	Not applicable	
		explosion limit / Upper bility limit	:	No data available	)
		explosion limit / Lower bility limit	:	No data available	
	Vapour	pressure	:	Not applicable	
	Relative	e vapour density	:	Not applicable	
	Relative	edensity	:	No data available	)
	Density		:	No data available	)
	Solubilit Wate	ty(ies) er solubility	:	No data available	
	Partitior octanol/	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	9
	Decomp	position temperature	:	No data available	9
	Viscosit Visc	y osity, kinematic	:	Not applicable	
	Explosiv	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Molecul	ar weight	:	No data available	)
	Particle	size	:	No data available	9



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### Section 10: Stability and reactivity

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. May form combustible dust concentrations in air during pro- cessing, handling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition products	:	Oxidizing agents No hazardous decomposition products are known.

### Section 11: Toxicological information

Exposure routes :	Inhalation Skin contact Ingestion Eye contact
<b>Acute toxicity</b> Not classified based on available	information.
Product:	
Acute oral toxicity :	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Components:	
Diazoxide:	
Acute oral toxicity :	LD50 (Rat): 980 mg/kg
	LD50 (Mouse): 444 mg/kg
	LD50 (Guinea pig): 191 mg/kg
Acute toxicity (other routes of : administration)	LD50 (Mouse): 228 mg/kg Application Route: Intravenous
	LD50 (Mouse): 326 mg/kg Application Route: Intraperitoneal
	LD50 (Rat): 510 mg/kg Application Route: Intraperitoneal

### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Not classified based on available information.





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Resp	iratory or skin sensi	tisation	
-	sensitisation		
	assified based on ava		
	iratory sensitisation assified based on ava		
Chro	nic toxicity		
	cell mutagenicity		
	assified based on ava	ailable information.	
	<b>nogenicity</b> assified based on ava	ailable information.	
	oductive toxicity		
May c	lamage the unborn ch	nild.	
<u>Comp</u>	oonents:		
Diazo	xide:		
Effect ment	s on foetal develop-		
		Test Type: Dev	velopment
		Species: Rat Application Ro	ute: Oral
			Toxicity: LOAEL: 100 mg/kg body weight on foetal development, foetal abnormalitie
		Test Type: Dev	velopment
		Species: Rat Application Rot	ute: Intravenous
		Developmental Result: Fetotox	Toxicity: LOAEL: 10 mg/kg body weight icity
		Test Type: Dev Species: Mous	e
		• •	ute: Intraperitoneal Toxicity: NOAEL: 30 mg/kg body weight nortality
		Test Type: Dev Species: Mous	e
			ute: Intraperitoneal Toxicity: LOAEL: 60 mg/kg body weight nortality
		Test Type: Dev	velopment



Versi 3.1	on Revisio 30.09.2	on Date: 2023		S Number: 89871-00010	Date of last issue: 04.04.2023 Date of first issue: 20.03.2019
				Species: Rabbit Application Route Developmental To Result: foetal abn	oxicity: NOAEL: 7 mg/kg body weight
				Test Type: Develor Species: Rabbit Application Route Developmental To Result: foetal abn	: Intravenous oxicity: LOAEL: 21 mg/kg body weight
				Test Type: Develo Species: Dog Application Route Developmental To Result: foetal mor	: Intravenous oxicity: NOAEL: 5 mg/kg body weight
				Test Type: Develo Species: Dog Application Route Developmental To Result: foetal mor	: Intravenous oxicity: LOAEL: 10 mg/kg body weight
				Test Type: Develor Species: Monkey Application Route Developmental To Result: No teratog	: Intravenous oxicity: LOAEL: 5 mg/kg body weight
	Reproductive to sessment	oxicity - As-	:	May damage the	unborn child.
	STOT - single	<b>exposure</b> based on availa	ble	information.	
	STOT - repeat				
	-	-	ancr	eas, Kidney, Hear	t) through prolonged or repeated exposure.
<u>(</u>	Components:				
-	<b>Diazoxide:</b> Farget Organs Assessment		:	Pancreas, Kidney Causes damage t exposure.	, Heart o organs through prolonged or repeated
I	Repeated dos	e toxicity			
<u>(</u>	Components:				
	Diazoxide:			Det	
	Species		•	Rat	



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	osure time et Organs	: 2 Weeks : Adrenal gland	
Expo Targo Symp Spec LOAI Appli Expo	EL ication Route isure time et Organs ptoms cies	: Rat : 1,080 mg/kg : Oral : 3 Months : Pancreas : hyperglycemia : Rat : 200 mg/kg : Oral : 52 Weeks : Heart, Liver, Ad	renal gland, Thyroid
Expo Targe		: Dog : 200 mg/kg : Oral : 82 Weeks : Pancreas : hyperglycemia	
-	ration toxicity classified based on ava	lable information.	
Expe	erience with human ex	posure	
<u>Com</u>	ponents:		
	oxide: eral Information stion	Dizziness, Wea : Symptoms: sod	erglycemia, hypotension, Nausea, Vomiting, kness ium retention, water retention, anorexia, Ab- iarrhoea, tachycardia, Palpitation
Section 1	2: Ecological informa	tion	
Ecot	oxicity		
Com	ponents:		
Diazo	oxide:		
	oxicology Assessmer e aquatic toxicity		nnot be excluded
Chro	nic aquatic toxicity	: Toxic effects ca	nnot be excluded
Pers	istence and degradab	ility	

No data available



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Bioad	ccumulative potentia	I		
<u>Com</u>	ponents:			
Diazo	oxide:			
	ion coefficient: n- ol/water	: log Pow: 1.2		
Mobi	lity in soil			
No da	ata available			
Othe	r adverse effects			
No da	ata available			

Disposal	methods
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Waste from residues	:	Do not dispose of waste into sewer.
Contaminated packaging	:	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

### Section 14: Transport information

### International Regulations

UN number Proper shipping name Class Subsidiary risk Packing group Labels	:	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IATA-DGR UN/ID No. Proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IMDG-Code UN number Proper shipping name Class Subsidiary risk Packing group	:	Not applicable Not applicable Not applicable Not applicable Not applicable





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Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

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

Not applicable for product as supplied.

#### **National Regulations**

NZS 5433		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Hazchem Code	:	Not applicable

### Special precautions for user

Not applicable

#### Section 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### HSNO Approval Number

HSR100425 Pharmaceutical Active Ingredients Group Standard

### HSW Controls

Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

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

### Section 16: Other information

Revision Date	:	30.09.2023
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/
Date format	:	dd.mm.yyyy



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### Full text of other abbreviations

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

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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