



			S Number: 38924-00010	Date of last issue: 30.09.2023 Date of first issue: 21.03.2019	
ction 1	: Identification				
Prod	uct identifier	:	Diazoxide (>30%	6) Formulation	
Reco	mmended use of the cl	nem	ical and restricti	ons on use	
Recommended use Restrictions on use		:	Pharmaceutical Not applicable		
Manu	ifacturer or supplier's c	leta	ils		
Comp	bany	:	MSD		
Addre	ess	:	50 Tuas West D Singapore - Sin		
Telep	hone	:	+1-908-740-400	0	
Emer	gency telephone number	r:	65 6697 2111 (2	4/7/365)	
E-ma	il address	:	EHSDATASTEV	VARD@msd.com	
	: Hazard identification				
Class Repro	sification of the substar oductive toxicity ific target organ toxicity -	:	Category 1B	creas, Kidney, Heart)	
Class Repro	sification of the substan	:	Category 1B	creas, Kidney, Heart)	
Class Repro Speci repea	sification of the substar oductive toxicity ific target organ toxicity -	:	Category 1B Category 1 (Pan		
Class Repro Specia repea GHS Haza	sification of the substan oductive toxicity ific target organ toxicity - ated exposure Label elements, includ	:	Category 1B Category 1 (Pan		
Class Repro Speci repea GHS Haza Signa	sification of the substan oductive toxicity ific target organ toxicity - ated exposure Label elements, includ rd pictograms	:	Category 1B Category 1 (Pan precautionary st Danger H360D May dan H372 Causes da		





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		P280 Wear pro	at, drink or smoke when using this product. tective gloves/ protective clothing/ eye protec- ction/ hearing protection.
		Response: P308 + P313 IF attention.	exposed or concerned: Get medical advice/
		Storage: P405 Store loc	ked up.
		Disposal: P501 Dispose o disposal plant.	of contents/ container to an approved waste

Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 32.258 %

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 explosive dust-air mixture 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	>= 30 -< 50

Section 4: First-aid measures

Description of necessary	r 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.





ersion .0	Revision Date: 06.04.2024		0S Number: 88924-00010	Date of last issue: 30.09.2023 Date of first issue: 21.03.2019
				proughly with water.
	important symptoms a	and		-
Risks		:	exposure. Contact with du the skin.	e to organs through prolonged or repeated st can cause mechanical irritation or drying o
Protection of first-aiders			First Aid respon and use the rec	th the eyes can lead to mechanical irritation. ders should pay attention to self-protection, ommended personal protective equipment tial for exposure exists (see section 8).
Indica	ation of any immediate	me	dical attention a	and special treatment needed
Treatr	ment	:	Treat symptoma	atically and supportively.
ection 5:	Fire-fighting measure	S		
Exting	uishing media			
Suitat	ble extinguishing media	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical	
Unsui media	table extinguishing	:	None known.	
Speci	al hazards arising fror	n th	e substance or	mixture
Speci fightin	fic hazards during fire- g	:	concentrations, potential dust ex	g dust; fine dust dispersed in air in sufficient and in the presence of an ignition source is a xplosion hazard. nbustion products may be a hazard to health
Hazar ucts	dous combustion prod-	:	Carbon oxides Chlorine compo Nitrogen oxides Sulphur oxides	
Speci	al protective actions f	or f	ire-fighters	
for fire	al protective equipment ofighters fic extinguishing meth-	:	Use personal pr Use extinguishin cumstances and Use water spray	ire, wear self-contained breathing apparatus rotective equipment. Ing measures that are appropriate to local cir- d the surrounding environment. / to cool unopened containers. aged containers from fire area if it is safe to

Personal precautions, protective equipment and emergency proceduresPersonal precautions:Use personal protective equipment.

Follow safe handling advice (see section 7) and personal pro-



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		tective equipme	nt recommendations (see section 8).
	ental precautions onmental precautions	Prevent further I Retain and dispo	the environment. eakage or spillage if safe to do so. ose of contaminated wash water. s should be advised if significant spillages ined.
Methods a	and materials for cont	ainment and cleanin	q up
	ods for cleaning up	: Sweep up or vac tainer for dispos Avoid dispersal with compressed Dust deposits sh es, as these mai leased into the a Local or nationa posal of this mai employed in the mine which regu	cuum up spillage and collect in suitable con- al. of dust in the air (i.e., clearing dust surfaces

Section 7: Handling and storage

Precautions for safe handling	
Technical measures :	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation :	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling :	Do not get on skin or clothing. Do not breathe dust. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the
Hygiene measures :	environment. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working





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		Wash contami The effective of engineering co appropriate de industrial hygio	o not eat, drink or smoke. nated clothing before re-use. operation of a facility should include review of ontrols, proper personal protective equipment, egowning and decontamination procedures, ene monitoring, medical surveillance and the strative controls.
Con	ditions for safe storag	e, including any inc	ompatibilities
	ditions for safe storage erials to avoid	Store locked u Keep tightly cl Store in accord	osed. dance with the particular national regulations. ith the following product types:

Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

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 ²	Internal

Appropriate engineering : control 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.
Individual protection measures	s, such as personal protective equipment (PPE)
Eye/face protection :	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin 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.





Respiratory protection : If adequate local exhaust ventilation is not available or exsure assessment demonstrates exposures outside the resommended guidelines, use respiratory protection. Filter type : Particulates type Hand protection : Particulates type Material : Chemical-resistant gloves Remarks : Consider double gloving. Section 9: Physical and chemical properties Appearance : Appearance : powder Colour : No data available Odour : No data available	
Filter type : Particulates type Hand protection : Particulates type Material : Chemical-resistant gloves Remarks : Consider double gloving. Section 9: Physical and chemical properties Appearance : powder Colour : white Odour : No data available	
Filter type Hand protection:Particulates typeMaterial:Chemical-resistant glovesRemarks:Consider double gloving.Section 9: Physical and chemical propertiesAppearance:powderColour:whiteOdour:No data available	
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Appearance:powderColour:whiteOdour:No data available	
Colour : white Odour : No data available	
Odour : No data available	
Odour Threshold : No data available	
pH : No data available	
Melting point/freezing point : No data available	
Initial boiling point and boiling : No data available range	
Flash point : No data available	
Evaporation rate : Not applicable	
Flammability (solid, gas) : May form explosive dust-air mixture during processing, dling or other means.	han-
Flammability (liquids) : Not applicable	
Upper explosion limit / Upper : No data available flammability limit	
Lower explosion limit / Lower : No data available flammability limit	
Vapour pressure : Not applicable	
Relative vapour density : Not applicable	
Relative density : No data available	
Density : No data available	
Solubility(ies) Water solubility : No data available	



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Diazoxide (>30%) Formulation

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	:	Not applicable	
ignition temperature	:	No data available	9
mposition temperature	:	No data available	9
osity		Not oppliggblg	
·	•		
osive properties	:	Not explosive	
zing properties	:	The substance o	r mixture is not classified as oxidizing.
cular weight	:	No data available	9
cle characteristics cle size	:	No data available	9
0: Stability and reactiv	ity		
tivity nical stability ibility of hazardous reac-	:	Stable under nor May form explos dling or other me	ive dust-air mixture during processing, han
litions to avoid	:		
npatible materials rdous decomposition ucts	:	Oxidizing agents	
1: Toxicological inform	natio	n	
Information on likely routes of : Inhalation exposure Skin contact Ingestion Eye contact			
e toxicity lassified based on availa	able i	nformation.	
<u>uct:</u> e oral toxicity	:		
ponents:			
oxide: e oral toxicity		LD50 (Rat): 980 r	na/ka
	ion coefficient: n- hol/water ignition temperature mposition temperature osity scosity, kinematic osive properties zing properties cular weight cle characteristics cle size 0: Stability and reactiv tivity hical stability ibility of hazardous reac- litions to avoid npatible materials rdous decomposition ucts 1: Toxicological inform nation on likely routes of sure e toxicity lassified based on availa uct: e oral toxicity	06.04.2024408ion coefficient: n-:nol/water:ignition temperature:mposition temperature:nosity:scosity, kinematic:osive properties:zing properties:cular weight:cle characteristics:cle size:of: Stability and reactivitytivity:ibility of hazardous reac-:litions to avoid:npatible materials:rdous decomposition:autom on likely routes of:sure:e toxicity:lassified based on available iuct::a oral toxicity:	06.04.2024 4088924-00010 ion coefficient: n- iol/water : Not applicable ignition temperature : No data available mposition temperature : No data available isity scosity, kinematic : Not applicable isity : Not applicable : isity : No data available : : : Not classified as : : ical stability : :





LD50 (Mouse): 444 mg/kg LD50 (Guinea pig): 191 mg/kg Acute toxicity (other routes of : 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. Respiratory or skin sensitisation Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Germ cell mutagenicity Not classified based on available information. Reproductive toxicity May damage the unborn child. Components: Diazoxide: Effects on foetal develop- ment Species: Rat Application Route: Oral Development Toxicity: NOAEL: 30 mg/kg body weigf Result: Effects on foetal development, foetal abnormal Test Type: Development Species: Rat Application Route: Oral Development Toxicity: LOAEL: 100 mg/kg body weigf Result: Effects on foetal development, foetal abnormal Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: LOAEL: 100 mg/kg body weigf Result: Effects on foetal development, foetal abnormal Test Type: Development Species: Rat	ersion .0	Revision Date: 06.04.2024	SDS Number: 4088924-00010	Date of last issue: 30.09.2023 Date of first issue: 21.03.2019
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rsion)	Revision Date: 06.04.2024	SDS Number: 4088924-00010	Date of last issue: 30.09.2023 Date of first issue: 21.03.2019
			ute: Intravenous Toxicity: LOAEL: 10 mg/kg body weight ;icity
		Test Type: Dev Species: Mouse	
			ute: Intraperitoneal I Toxicity: NOAEL: 30 mg/kg body weigh nortality
		Test Type: Dev Species: Mous	e
			ute: Intraperitoneal I Toxicity: LOAEL: 60 mg/kg body weigh nortality
		Test Type: Dev Species: Rabbi	it
			ute: Intravenous Toxicity: NOAEL: 7 mg/kg body weight bnormalities
		Test Type: Dev Species: Rabbi	
		Application Rou	ute: Intravenous I Toxicity: LOAEL: 21 mg/kg body weigh
		Test Type: Dev Species: Dog	velopment
		Application Rou	ute: Intravenous Toxicity: NOAEL: 5 mg/kg body weight nortality
		Developmental	ute: Intravenous I Toxicity: LOAEL: 10 mg/kg body weigh
		Result: foetal m Test Type: Dev	
		Species: Monke Application Rou	ey ute: Intravenous I Toxicity: LOAEL: 5 mg/kg body weight
Repro- sessm	ductive toxicity - As- ient	: May damage th	ne unborn child.

STOT - single exposure

Not classified based on available information.





ersion 0	Revision Date: 06.04.2024	SDS Number: 4088924-00010	Date of last issue: 30.09.2023 Date of first issue: 21.03.2019
	- repeated exposur		loart) through prolonged or repeated expecture
		(Falicieas, Riuliey, F	leart) through prolonged or repeated exposure.
	oonents:		
Diazo			
	t Organs ssment	: Pancreas, Kic	Iney, Heart Ige to organs through prolonged or repeated
/ 10000	Sinen	exposure.	
Repe	ated dose toxicity		
<u>Comp</u>	oonents:		
Diazo	xide:		
Speci		: Rat	
LOAE	L cation Route	: 400 mg/kg : Oral	
	sure time	: 2 Weeks	
	t Organs	: Adrenal gland	I
Speci		: Rat	
LOAE		: 1,080 mg/kg	
	cation Route sure time	: Oral : 3 Months	
	t Organs	: Pancreas	
Symp		: hyperglycemia	a
Speci	es	: Rat	
LOAE	L	: 200 mg/kg	
	cation Route sure time	: Oral : 52 Weeks	
Targe	t Organs		Adrenal gland, Thyroid
Speci		: Dog	
NOAE		: 200 mg/kg : Oral	
	cation Route sure time	: 82 Weeks	
	t Organs	: Pancreas	
Symp	toms	: hyperglycemia	a
Aspir	ation toxicity		
-	assified based on ava	ailable information.	
Expe	rience with human e	xposure	
<u>Com</u> p	oonents:		
Diazo			
Gene	ral Information		/perglycemia, hypotension, Nausea, Vomiting,
Ingest	tion	Dizziness, We : Symptoms: so	eakness odium retention, water retention, anorexia, Ab-
-			





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II		dominal pain, I	Diarrhoea, tachycardia, Palpitation
Section 1	2: Ecological information	ation	
Toxic	city		
Com	ponents:		
Diazo	oxide:		
	oxicology Assessme e aquatic toxicity		annot be excluded
Chroi	nic aquatic toxicity	: Toxic effects c	annot be excluded
	i stence and degradal ata available	bility	
Bioa	ccumulative potentia	I	
Com	ponents:		
Partit	oxide: ion coefficient: n- iol/water	: log Pow: 1.2	
	lity in soil ata available		
	r adverse effects ata available		

Disposal methods	
Waste from residues	: Do not dispose of waste into sewer. Dispose of in accordance with local regulations.
Contaminated packaging	 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	:	Not applicable
UN proper shipping name	:	Not applicable
Transport hazard class(es)	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable





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En	vironmentally hazardous	:	no	
IA	TA-DGR			
UN	I/ID No.	:	Not applicable	
	I proper shipping name	:	Not applicable	
	ass	:	Not applicable	
	bsidiary risk	÷	Not applicable	
	cking group bels	÷	Not applicable Not applicable	
	cking instruction (cargo	:	Not applicable	
	craft)	•		
Pa	cking instruction (passen- r aircraft)	:	Not applicable	
IM	DG-Code			
UN	l number	:	Not applicable	
	I proper shipping name	:	Not applicable	
	ass	:	Not applicable	
	bsidiary risk		Not applicable	
	cking group bels	÷	Not applicable	
	nS Code	÷	Not applicable Not applicable	
	rine pollutant	:	Not applicable	
	•			
	ansport in bulk according	-		
No	t applicable for product as	sup	plied.	
Sp	ecial precautions for use	r		
No	t applicable			
Saction	15: Regulatory informat	ion		
Section	i ib. Regulatory illionnat	1011		
0	fate has lither and some for some			
Sa	fety, health and environm	nen	tal regulations sp	ecific for the product in question
tio				afety and Health (General Provisions) Regula- g, PEL and other requirements in the
	vironmental Protection and	l Ma	anagement Act and	: Not applicable
	vironmental Protection and			
	ous Substances) Regulations			

Fire Safety (Petroleum and Flammable Materials) : Not applicable Regulations

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

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

Section 16: Other information



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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/

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

Date format : dd.mm.yyyy

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





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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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