

## SAFETY DATA SHEET

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· · .		:	· · .			· · .		:	Dat	e Revise	d: 23/12	2/2022
			н 1 - 1					1				
SEC	TION	1. ID	ENT	IFICA	TION							
					; * *			111	11		111	
	ct Name: : 10097-2				. '							
											,	
Releva	ant identi	ified us	ses of t	the subs	tance: S	Scienti	fic resea	rch and	develo	opment		
	ier detail											
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	: sales@s											
	49) 407-8 ss: 23661								· · · ·			· · ·
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<b>SEC</b> Classif	<b>TION</b>	<b>2. H</b>	<b>AZA</b> I	RDS II	DEN1	<b>FIFIC</b>	<b>ATIO</b> ce with 2	<b>N</b> 9 CFR 1	910 (O	SHA HC	s) :	
SEC Classif GHS07	<b>TION</b>	<b>2. H</b> the su	<b>AZA</b> bstance	RDS II	DEN1 ure in ac	<b>FIFIC</b>	<b>ATIO</b> ce with 2	<b>N</b> 9 CFR 1	910 (O	SHA HC	s) :	
SEC Classif GHS07 Skin Irr	TION	<b>2. H</b> the su 5 Caus	<b>AZA</b> bstance es skin	RDS II	DEN1 ure in ac	cordan	<b>ATIO</b> ce with 2	<b>N</b> 9 CFR 1	910 (O	SHA HC	: S) ::' ::	
<b>SEC</b> Classif GHS07 Skin Irr Eye Irri	TION fication of 7 rit. 2 H31	<b>2. H</b> the su 5 Caus 19 Cau	<b>AZA</b> I bstance es skin ses ser	RDS II	DEN1 ure in ac	r <b>ific</b> cordan	<b>ATIO</b> ce with 2	<b>N</b> 9 CFR 1	910 (O	SHA HC	: S) ::' ::	
SEC Classif GHS07 Skin Irr Eye Irri STOT	TION fication of rit. 2 H31 it. 2A H3	<b>2. H</b> the su 5 Caus 19 Cau 35 May	AZA bstance es skin ses ser cause	RDS II e or mixtu irritation ious eye respirato	<b>DEN1</b> ure in ac irritation ry irritati	rific cordan	<b>ATIO</b> ce with 2	<b>N</b> 9 CFR 1	910 (O	SHA HC	S) :'	
SEC Classif GHS07 Skin Irr Eye Irri STOT Hazarc	TION ication of 7 rit. 2 H31 it. 2A H31 SE 3 H33	<b>2. H</b> the su 5 Caus 19 Cau 35 May erwise	<b>AZA</b> bstance es skin ses ser cause classifi	RDS II e or mixtu irritation ious eye respirato ied No da	<b>DEN1</b> Ire in ac irritation ry irritati	riffic cordan n. on. able	ce with 2	<b>N</b> 9 CFR 1	910 (O	SHA HC	S) :	
SEC Classif GHS07 Skin Irr Eye Irri STOT Hazarc GHS Ia	TION fication of rit. 2 H31 it. 2A H3 SE 3 H33 ds not oth	<b>2. H</b> the su 5 Caus 19 Cau 35 May erwise ents, ir	<b>AZA</b> bstance es skin ses ser cause classifi	RDS II e or mixtu irritation ious eye respirato ied No da	<b>DEN1</b> Ire in ac irritation ry irritati	riffic cordan n. on. able	ce with 2	<b>N</b> 9 CFR 1	910 (O	SHA HC	S) :	
SEC Classif GHS07 Skin Irr Eye Irri STOT Hazarc GHS Ia Hazarc	TION fication of rit. 2 H31 it. 2A H33 SE 3 H33 ds not oth abel elem	<b>2. H</b> the su 5 Caus 19 Cau 85 May erwise ents, ir	AZA bstance es skin ses ser cause classifi ncluding	RDS II e or mixtu irritation ious eye respirato ied No da	<b>DEN1</b> ure in ac irritation ry irritati ata availa	riffic cordan n. on. able tatemen	ATIO	<b>N</b> 9 CFR 1	910 (O	SHA HC	S) :	

Hazard statements	S		1	· · .		:	•••		:	•••	
H315 Causes skin	irritation.										
H319 Causes serie	ous eye irritat	tion.		, , ,							. '
H335 May cause r	espiratory irri	itation.									
Precautionary stat	ements										
P261 Avoid breath clothing/eye protect	-	-	/vapors	s/spray.	P280 We	ar∶prote	ective g	loves/prot	ective	ч. Т	
P305+P351+P338	B IF IN EYES:	Rinse cau	utiously	/ with w	ater for se	everal n	ninutes	. Remove	contac	t	. '
lenses, if present a	and easy to d	o. Continu	ie rinsii	ng.							
P304+P340 IF INH	HALED: Rem	ove victim	to fres	h air an	d keep at	rest in	a posit	ion comfo	rtable fo	or	
breathing.				· · .			· · .		:	· · .	
P405 Store locked	l up.	,			1						
P501 Dispose of c	contents/conta	ainer in ac	cordan	ce with	local/regi	onal/na	itional/ii	nternation	al		. '
regulations. WHMIS classificat	ion	:	;		:			:			
D2B - Toxic mater	ial causing ot	her toxic e	effects	· · .		:	···.			· · .	
Classification syste	em	. '			. '	1	,				
HMIS ratings (scal		,	,		'	'		,			
(Hazardous Mater	ials Identifica	tion Syste	m)								
HEALTH											
FIRE			:				· · .			11.	
REACTIVITY	H 1.										. '
1											
0.						: • •		1	: • •		
1 Health (acute effec			:	м.,		1	· · .		:	н. Т	
Flammability = 0	-										. '
Physical Hazard =											
Other hazards	n e				}						
Results of PBT an											

PBT: N/A	÷	· · .		e.	· · .		· · .		e e	•••	
vPvB: N/A											
			11					$\mathcal{A}^{(1)}$			

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances CAS No. / Substance Name: 10097-28-6 Silicon(II) oxide Identification number(s): EC number: 233-232-8

# SECTION 4. FIRST AID MEASURES

Description of first aid measures
If inhaled:
Supply patient with fresh air. If not breathing, provide artificial respiration. Keep patient warm.
Seek immediate medical advice.
In case of skin contact:
Immediately wash with soap and water; rinse thoroughly.
Seek immediate medical advice.
In case of eye contact:
Rinse opened eye for several minutes under running water. Consult a physician.
If swallowed:
Seek medical treatment.
Information for doctor
Most important symptoms and effects, both acute and delayed:
No data availableIndication of any immediate medical attention and special treatment needed:
No data available

#### **SECTION 5. FIREFIGHTING MEASURES**

Extinguishing media	: 		1						-	
Suitable extinguishing a	igents F	Product is	not flan	nmable	. Use fire-	fighting	measu	ires that s	uit the	
surrounding fire.			1.1.1		1				: 11	. 1
Special hazards arising following		e substan								۰.
can be released:	н. 1. т.								:	
Advice for firefighters										
Protective equipment:	$\mathcal{A}^{(1)}$				1	; • •			111	. 1
Wear self-contained res						i.	· · .			···.
Wear fully protective im	perviou	s suit.								
									1	

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Environmental precautions: Do not allow product to enter drains, sewage systems, or other water courses.
Methods and materials for containment and cleanup: Ensure adequate ventilation.
Prevention of secondary hazards: No special measures required.
Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

## SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: The product is not flammable Conditions for safe storage, including any incompatibilities Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers. Specific end use(s) No data available

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: None. Additional information: No data Exposure controls Personal protective equipment Follow typical protective and hygienic practices for handling chemicals. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if airpurifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of hands: Impervious gloves Inspect gloves prior to use. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Material of gloves Nitrile rubber, NBR Penetration time of glove material (in minutes) 480 Glove thickness 0.11 mm Eye protection: Safety glasses Body protection: Protective work clothing. SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES Information on basic physical and chemical properties Appearance: Form: Powder, lump, or solid in various forms Odor: Odorless Odor threshold: No data available. pH: N/A Melting point/Melting range: >1702 °C (>3096 °F)

Boiling point/Boiling range: 1880 °C (3416 °F)

Sublimation temperature / start: No data available

			111	. '	1	1	. '	1		
Flammability (solid	l, gas) No da	ata availa	ble.							
Ignition temperatu	re: No data a	available								
Decomposition ten	nperature: N	lo data a	vailable							
Autoignition: No da	ata available	).								
Danger of explosic	on: No data a	available						1.1	. * *	
Explosion limits:	at in the		e <sup>r</sup>	· · .			· · .		С.	
Lower: No data av	ailable		:	1				 :		
Upper: No data av			i			i				
Vapor pressure: N	/A				:					
Density at 20 °C (6				1						1
3	di seria		:				· · .			
(17.775 lbs/gal)										
Relative density N										
Evaporation rate N	I/A		; • •					111		
Solubility in / Misci	•									
Water: No data av	ailable									
Partition coefficien	ť (n-ocťanol/	/water): N	lo data a	availab	le.					
Viscosity:										
Dynamic: N/A			: • •			111		111		
Kinematic: N/A	· · · ·		. •			. '		 		
Other information				I.			,			
		11								1.1

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity No data available Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No data available

Incompatible ma	terials: Oxi	idizing ager	nts			:	· · .		:	· · ,
	: :.		1						:	
SECTION	11. TO	XICOLC	)GIC/	AL IN	IFOR	MATIO	ON			
Information on to	oxicological	leffects			1			÷	111	
Acute toxicity: N	o effects kr	nown.	:	· · ,		:	· · .		e l'	· · .
LD/LC50 values	that are re	levant for cl	assificat	tion: No	data					
Skin irritation or	corrosion:	Causes skir	n irritatio	n.	, '				:	
Eye irritation or o	corrosion: (	Causes seri	ous eye	irritatio	n.					
Sensitization: No	sensitizin	g effects kn	own.	. '	1	,	. '		,	
Germ cell mutag	enicity: No	effects kno	wn.	· · .			···,		:	· · .
Carcinogenicity: the	No classifi	cation data	on carci	nogeni	c proper	ties of th	is mate	rial is ava	ilable fro	) m
EPA, IARC, NTF	P, OSHA or	ACGIH.		. '						
Reproductive to	kicity: No e	ffects know		·	,		·			
Specific target o	rgan syster	m toxicity - ı	repeated	l expos	ure: No	effects k	nown.		1	· · .
Specific target o	rgan syster	m toxicity -	single ex	cposure	: May ca	ause resp	oiratory	irritation.		
Aspiration hazar	d: No effec	ts known.								
Subacute to chro	onic toxicity	/: No effects	s known.	• '						
Additional toxico	logical info					-			-	
this							•••.			11
substance is not	fully know	n.							-	
Carcinogenic ca	tegories									
OSHA-Ca (Occı	pational Sa	afety & Hea	lth Admi	inistrati	on) Subs	stance is	not list	ed.	111	
	: · · · ·			· · .	1.1.1		· · .		:	···.
SECTION	12. EC	OLOGIO		NFO	RMA	ΓΙΟΝ				: .
Toxicity										

Persistence and degradability No data available

Bioaccumulative potential No data availa	ble	· · .		: <sup>1</sup>	· · .			· · .
Mobility in soil No data available								
Additional ecological information:								
Do not allow undiluted product or large q	uantiti	es to re	each grou	undwatei	r, water	courses	, or	
sewagesystems.						-		
Avoid transfer into the environment.	:	· · .			· · .			· · .
Results of PBT and vPvB assessment								
PBT: N/A								
vPvB: N/A								
Other adverse effects No data available				111		1	111	
	:		1.1.1					

## SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment me	thods									
Recommendation C								:		. '
Uncleaned packagin	igs:		:			e <sup>r</sup>	11		:	11.
Recommendation: D	isposal n	nust be m	ade acc	ording	to official	regulati	ons.		:	

SECTION 14. TRANSPORT INFORMATION												
UN-Number		:				•••		1				
DOT, ADN, IMDG, IATA N/A			н 1 - 1					1				
UN proper shipping name												
DOT, ADN, IMDG, IATA N/A					; * *		-	; • •				
Transport hazard class(es)												
DOT, ADR, ADN, IMDG, IATA												
Class N/A			1 1 1									
Packing group												
DOT, IMDG, IATA N/A	-		, ' , '		; * *							
Environmental hazards: N/A		:			:	· · .			1. 1.			

Special precautions for user Transport in bulk according to						
Transport/Additional informat		1 1 - 1		, , ,		
DOT						
Marine Pollutant (DOT): No						
UN "Model Regulation":	 :	· · .	 :	· · .	 e <sup>r</sup>	۰.

			; • •						: ' '
Safety, health and enviro	onmenta	al regulatio	ons/leg	islation	specific fo	or the s	ubstan	ce or mixtu	ure
GHS label elements, incl	uding p	recaution	ary sta	tements	5		· · .		:
Hazard pictograms									-
GHS07									
Signal word Warning									: • •
Hazard statements									
H315 Causes skin irritati	on.								
H319 Causes serious ey	e irritati	on.	1	н 1 — 1					
H335 May cause respira	tory irrit	ation.							
Precautionary statement	S								
P261 Avoid breathing du	st/fume	/gas/mist/	vapors	/spray.			···.		1
P280 Wear protective glo	oves/pro	otective cl	othing/	eye pro	tection/fa	ce prot	ection.		
P305+P351+P338 IF IN	EYES:	Rinse cau	tiously	with wa	ater for se	veral m	ninutes.	Remove	contact
lenses, if present and ea	sy to do	. Continu	e rinsir	ıg.					
P304+P340 IF INHALED	: Remo	ve victim	to fresh	n air an	d keep at	rest in	a positi	on comfor	table
forbreathing.									
P405 Store locked up.									
P501 Dispose of content	s/conta	iner in acc	cordanc	ce with	local/regio	onal/na	tional/ir	iternationa	al
regulations.									
National regulations									
All components of this pr	oduct a	re listed in	n the U	.S, Env	ironmenta	al Prote	ction A	gency Tox	ic

Substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed.

California Proposition 65

Prop 65 - Chemicals known to cause cancer Substance is not listed.

Prop 65 - Developmental toxicity Substance is not listed.

Prop 65 - Developmental toxicity, female Substance is not listed.

Prop 65 - Developmental toxicity, male Substance is not listed.

Information about limitation of use: For use only by technically qualified individuals.

Other regulations, limitations and prohibitive regulations

Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.

The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No

1907/2006 (REACH) for the manufacturing, placing on the

market and use must be observed.

Substance is not listed.

Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.