# SAFETY DATA SHEET

MSDS No 1001 0202		Date	Octobor	10 2024	1/1 0000		
MSDS No.1001-0292 1. PRODUCT AND COMPANY IDENT		Dale	October	18, 2024	1/4 page		
PRODUCT NAME	: PEG-1500 0.1 $\sim$ 40% Diato	maceous					
NAME OF MANUFACTURER	: GL Sciences Inc.	indecede					
ADRESS	: 22-1 Nishishinjuku 6-chome Shinjuku-ku Tokyo 163-1130, Japan						
CHARGE SECTION	: International Sales Section						
TELEPHONE No.	: +81-3-5323-6620						
FACSIMILE No.	: +81-3-5323-6621	4004 55570	4000 05570	1001 10	0.2		
PRODUCT No. SDS No.	: 1001-45360、1001-45361、 : 1001-0292	1001-55570、	1003-05570	. 1001 10	03-		
Research use only.	. 1001-0292						
2. HAZARDS IDENTIFICATION							
GHS CLASSIFICATION	: Carcinogenicity	: Catego	orv 1A				
	Specific target organ toxic	-	•				
	opecine target organ toxic	• • •	ory 1(Respire	tory organs)			
		. Calego	ory i(Respire	nory organs)			
HAZARDS SYMBOL							
	•						
SIGNAL WORD							
	: Danger						
HAZARD STATEMENTS							
H350	May cause cancer						
H372	Cause damage to organs	through prolong	ged or repeat	ed exposure			
PRECAUTIONARY STATEMENTS							
P201	Obtain special instructuic						
P202	Do not handle until all s	safety precauti	ons have be	een read an	d understoo		
	d.						
P260	Do not breathing dust/fu	-					
P264	Wash hands thoroughly	after handling.					
P270	Do not eat, drink or sm	oke when usin	ig this produ	ict.			
P280	Wear protective gloves/pr	otective clothin	g/eye protect	ion/face prot	ection.		
P308+P313	IF exposed or concerned:	Get medical at	tention.				
P314	Get medical attention if yo	u feel unwell.					
P405	Store locked up.						
P501	Dispose of contents/conta	iner in accorda	nce with all a	pplicable reg	gulations.		
3. COMPOSITION/INFORMATION ON				、	<u> </u>		
SUBSTANCE / MIXTURE	: Mixture						
CHEMICAL IDENTITY	: PEG-1500 0.1~40% Diate	maceous					
	C 1000 0.1 +0/0 Diate						

**SYNONYMS** 

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CHEMICAL NAME	CONTENT	CHEMICAL FORMULA	CAS RN	TSCA INVENTORY	EINECS No.
PEG-1500	0.1~40%	H(OCH2CH2)nOH	25322-68-3	Not Listed	
Diatomaceous	60 <b>~</b> 99.9%	SiO2 (as main)	68855-54-9	Not Listed	293-3003-4

#### 4. FIRST AID MEASURES GENERAL ADVICE

If fragments/respirable dust contacts with eyes or skin, wash off immediately : with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment. If irritation persists, consult a physician.

INHALATION : Move victim to fresh air and gargle. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

SKIN CONTACT

Remove contaminated clothes and shoes, rinse skin with plenty of water or : shower. Use soap to help assure removal. If irritation persists, consult a physician.

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EYE CONTACT	: Remove any contact le of running water for at the eyelids with sterile	east 15 minutes. As	sure adequa	ate flushing b	y separating
INGESTION	: Rinse mouth, give pler unconscious person. C		. Never give	anything by	mouth to an
GENERAL ADVICE	: Wash off immediately dust and/or fumes, use protective suit. Use pe	self-contained brea	athing appar		
5. FIRE FIGHTING MEASURES					
EXTINGUISHING MEDIA	: This product is noncor	nbustible.			
FIRE & EXPLOSION HAZARDS	: Toxic and irritating du		may be emit	ted.	
SPECIAL PROTECTIVE EQUIPME					
	: Fireman should wear positive-pressure self-			(full bunke	r gear) and
6. ACCIDENTAL RELEASE MEASUR					
PERSONAL PRECAUTIONS	: Remove ignition sourc				
	In case of insufficient		•		ent.
	Avoid raising dust and				
ENVIRONMENTAL PRECAUTION	-	-			
METHODS FOR CLEANING UP	: Do not touch spilled completely picked up, area. Pull all wastes i clean, or dispose conta	wash the spill site v n a plastic bag for	vith soap an	d water and	ventilate the
7. HANDLING AND STORAGE					
HANDLING	: Avoid contact with exposure. Handle mate			prolonged	or repeated
	After using this produ- applicable regulations			er in accord	ance with all
STORAGE	: Store away from moistu	ire and water in wel	I-ventilated	dry place.	
	Keep container tightly c	losed.			
INCOMPATIBLE PRODUCTS	: Water, moisture				
8. EXPOSURE CONTROL/PERSONA	AL PROTECTION				
ENGINEERING MEASURES	: Use exhaust ventilation Use adequate ventilati	•	oncentration	s below expo	osure limits.
VENTILATION	: Local Exhaust ; Necess		eneral) ; Nec	essary	

## CONTROL PARAMETERS

CHEMICAL NAME	ACGIH	OSHA Final Limits	NIOSH REL
DOS		Not established	
Diatomaceous Earth		Not established	

### PERSONAL PROTECTION

RESPRATORY PROTECTION	: Use respirators approved under appropriate government standards and follow all regulations.
HAND PROTECTION	: Chemical resistant gloves
EYE PROTECTION	: Safety glasses(goggles)
SKIN PROTECTION	: Protective clothing
9. PHYSICAL AND CHEMICAL PROP APPEARANCE PHYSICAL STATE ODOR MELTING POINT / FREEZING PO BOILING POINT OR INITIAL BOIL	: white : Solid : Odorless NT : No data available
FLAMMABILITY	: No data available

LOWER AND UPPER EXPLOSION						
		No data available				
FLASH POINT						
		No data available				
AUTO-IGNITION TEMPERATURE		No data available				
DECOMPOSITION TEMPERATUR	RE					
	:	No data available				
рН	:	No data available				
KINEMATIC VISCOSITY	:	Not applicable				
SOLUBILITY	:	Insoluble				
PARTITION COEFFICIENT						
n-octanol/water (log value)	:	No data available				
VAPOUR PRESSURE	:	No data available				
DENSITY AND/OR RELATIVE DE	NS	ΓY				
		No data available				
RELATIVE VAPOUR DENSITY	:	Not applicable				
PARTICLE CHARACTERISTICS		No data available				
0. STABILITY AND REACTIVITY	•					
REACTIVITY		Stable under recommended using	and stor	ade conditi	one	
CHEMICAL STABILITY		Stable under recommended using		-		
SHEMIORE STABLETT	•	May be altered by light.	je and u	sing conditi	0113.	
CONDITION TO AVOID		Sunlight, heat, moisture, dust diffu	ision			
INCOMPATIBLE MATERIALS		Strong oxidizing agents, strong ac				
HAZARDOUS DECOMPOSITION			140.			
		Hazardous fumes, etc.				
1. TOXICOLOGICAL INFORMATION	N					
ACUTE TOXICITY		No data available				
SKIN CORROSION/IRRITATION		No data available				
EYE DAMAGE/EYE IRRITATION		Painful when it enters the eye.				
SENSITIZATION		No data available				
GERM CELL MUTAGENICITY		No data available				
	:		Group	$1 \text{ by }  \Delta \mathbf{R} $		)C (2012)
CARCINOGENICITY	:	Crystalline silica is classified as as K by NTP (NTP RoC (14th, for Occupational Health (Recor (2016)), and as Category 1A. T ecause it contains more than th s 1 crystalline silica, which is cl	2016)), mmenda his subs e cutoff lass 1A.	as Group tion on To stance is o value (0.1	1 by the Ja blerable Con classified as I%) of carci	apan Socie centration class 1A nogenic cl
		There is no information on the carc and in experimental animals, no t study in rats by oral (mixed-food) by subcutaneous injection (dose fi 68 (1997)). (IARC 68 (1997)). On t injected intraperitoneally at 20 lymphosarcoma was reported to	umors w route at requency the other mg/anim	vere observ a dose of 2 y not stated hand, in a pal (numbe	ed in a lifetin 20 mg/anima d) at 20 mg/a study in which r of doses	me exposi I and in m animal (IAI ch mice we not state
		significant increase compared to the of the study reports stated the amount (diatomaceous earth), so the present known (IARC 68 (1997)).	he contro ount of c	ol group (1/ rystalline s	/20 mice). Ho ilica in the te	owever, no st substar
REPRODUCTIVE TOXICITY SPECIFIC TARGET ORGAN TO		No data available				

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SPECIFIC TARGET ORGAN TOXIC	ITY -repeated exposure-				
	As for humans, there have to diatomaceous earth, by was caused by diatoma unknown, cristobalite is crystalline silica is prese only mild silicosis has be exposed to unburned du crude diatomaceous ea that lung fibrosis rarely disabling. It has been re fibrogenic or non-fibroge or lung overload (ACGIH)	but it has not been becous earth become on the produced when ent in diatomace een reported in work ust (ACGIH (7th, rth or natural dua occurs, and if it eported that natural enic and that lung	n determined ause exposur diatomaceou ous earth (DF vorkers expos 2001)). Studi st for 20 to 2 does, it is syn ral diatomace	that the dust re to other q s earth is c GOT vol. 2 ed to diatom es of worker 5 years have nptomatic ar sous earth its	lung disease uartz dust is alcined, and (1991)), and aceous earth s exposed to also shown d not clearly self is weakly
	In experimental anima diatomaceous earth as crystalline silica by inha silica, showed fibrosis (ACGIH (7th, 2001)). Ir mg/m3 of unfired diatom thickening of the alveola cells containing dust par no lung fibrosis and a ve observed. However, the collagen fibers (ACGIH	als, guinea pigs amorphous sili alation for 2 year at 24 months, b a study of guin aceous earth for ar septum due to rticles, and alveo ery slight increas are was no lung	ca and 150 n s. Diatomace out no seriou nea pigs exp <sup>-</sup> 37-50 weeks accumulation lar epithelializ e in the amou	mg/m3 of cr ous earth, and s effects we osed by inh- a, macrophage of numerous zation were co unt of microv	istobalite as a amorphous are observed alation to 60 ge infiltration, s polynuclear observed, but illi fibers was
ASPIRATION TOXICITY	: No data available				
12. ECOLOGICAL INFORMATION					
ECOTOXICITY	: No data available				
BIODEGRADABILITY	: No data available				
<b>BIOACCUMULATION POTENTIAL</b>	: No data available				
MOBILITY IN SOIL	: No data available				
OTHER ADVERSE EFFECTS	: Not listed in Montreal Pr	rotocol list.			
13. DISPOSAL INFORMATION					
Dispose in a hazardous-waste site compliance with country, local, stat agency for specific rules).					
14. TRANSPORT INFORMATION					
ΙΑΤΑ	: Not dangerous goods				
ADR/RID	: Not dangerous goods				
DOT(Department of Transportation)	: Not dangerous goods				
MARINE POLLUTANT	: Not classified				
15. REGULATORY INFORMATION					
For classification and labeling of che	emicals in accordance with country, refer to GHS cl				
US REGULATION	: OSHA HCS 2012/29 CF	R 1910.1200			
EU REGULATION	: CLP Regulation ((EC) N	lo. 1272/2008)			
16. OTHER INFORMATION		,			
NOTICE:					
The information contained in the S	DS description is applicabl	e exclusively to the	ne chemical s	ubstance ide	ntified herein
and for its intended use as an ar					

and for its intended use as an analytical reference standard or reagent and to the unit quantity intended for that purpose. The information does not relate to, and may not be appropriate for, any application or larger quantity of the substance described. Our products are intended for the use by individuals possessing sufficient technical skill and qualification on use the material potential hazardous chemical. Accordingly, no representation or warranty, express or implied, with respect to merchantability and fitness for a particular purpose is made with respect to the information contained herein.

#### Attention:

This product in terms of chemical identity and the unit amount provide is intended for use in chemical analysis and not for human consumption, nor any other purpose.