SDS No.7510-11310		Date	November 22, 2021	1/1 page
1. PRODUCT AND COMPANY IDE	NTIFICATIO	N		
PRODUCT NAME	: MonoS	Spin ProA Column type		
NAME OF SUPPLIER	: GL Sci	iences Inc.		
ADDRESS	: 22-1 N	lishishinjuku 6-chome Shinjuku-ku	u Tokyo 163-1130, Japan	
CHARGE SECTION	: Interna	ational Sales Section		
TELEPHONE No.	: +81-3-	5323-6620		
FACSIMILE No.	: +81-3-	5323-6621		
PRODUCT No.	: 7510-1	11310		
SDS No.	: 7510-1	11310		
Research use only.				

This product is a "Kit", and this includes the following products. Please refer to the SDS of each product for the hazard information of contents.

- 1) SDS No. 7510-0032 MonoSpin ProA Spin column
- 2) SDS No. 7510-0036 Binding Buffer
- 3) SDS No. 7510-0037 Washing Buffer
- 4) SDS No. 7510-0038 Elution Buffer
- 5) SDS No. 7510-0039 Regeneration Buffer
- 6) SDS No. 7510-0040 Neutralizing Buffer

SDS No.7510-0032			Date	November 22, 2021 1/4 page
1. PRODUCT AND COMPANY IDENT	ΓIF	ICATION		
PRODUCT NAME	:	MonoSpin Pro A Spin colum	n	
NAME OF SUPPLIER	:	GL Sciences Inc.		
ADDRESS	:	22-1 Nishishinjuku 6-chome	Shinjuku-ku To	okyo 163-1130, Japan
CHARGE SECTION	:	International Sales Section		
TELEPHONE No.	:	+81-3-5323-6620		
FACSIMILE No.	:	+81-3-5323-6621		
PRODUCT No.	:	7510-11310		
SDS No.	:	7510-0032		
Research use only.				
2. HAZARDS IDENTIFICATION				
GHS CLASSIFICATION	:	Classification not possible		
HAZARDS SYMBOL	:			
SIGNAL WORD	:			
HAZARD STATEMENTS	:			
PRECAUTIONARY STATEMENTS	:			
OTHER INFORMATIONS	:	May be harmful if inhaled an	d ingested.	
		May cause eye and skin irrit	ation.	
		Dispose of contents/contained	er in accordanc	e with all applicable regulations.
MOST IMPORTANT HAZARDS	:	Eye irritation, skin irritation,	digestive tract	irritation, respiratory tract irritation.
3. COMPOSITION/INFORMATION OF	ΝI	NGREDIENTS		
SUBSTANCE / MIXTURE	:	Mixture		
COMMON CHEMICAL NAME	:	MonoSpin Pro A Spin colum	n	
SYNONYMS	:			

CHEMICAL TSCA CHEMICAL IDENTITY CONTENT CAS No. EINECS No. FOMULA INVENTRY Pro A modified -approx. 3 % --Monolithic Silicagel approx. 97 % (Main component approx. < 0.1 %) Preservative solution ----

4. FIRST AID MEASURES	
4. FIRST AID WEASURES	
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.
EYE CONTACT	: Remove any contact lenses at once. Flush eyes well with flooding large amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.
INGESTION	 Rinse mouth, give plenty of water to vomit. Never give anything by mouth to an unconscious person. Consult a physician.
MOST IMPORTANT SYMPT	OMS AND EFFECTS
	: Shreds and dusts may cause irritation of mucous membranes, respiratory tract,

skin and eyes.

PRODUCT NAME : MonoSpin Pro A Spin column

SDS No.7510-0032	I	Date	November 22, 2021 2/4 page
5. FIRE FIGHTING MEASURES			
	This product is noncombustible		
	Toxic and irritating dust, fumes	s or smoke may	/ be emitted.
SPECIAL PROTECTIVE EQUIPMEN			
:	Fireman should wear normal positive-pressure self-containe		quipment (full bunker gear) and
6. ACCIDENTAL RELEASE MEASURES	• •	a breating up	
	Remove ignition sources and v	entilate the are	ea.
	In case of insufficient ventilation		
	Avoid raising dust and avoid co	ontact with skin	and eyes.
ENVIRONMENTAL PRECAUTIONS :	Prevent spills from entering se	wers, watercou	irses or low areas.
METHODS FOR CLEANING UP :			able protection. After material is
			soap and water and ventilate the posal and seal it tightly. Remove,
	clean, or dispose contaminated		
7. HANDLING AND STORAGE	· · · · · · · · · · · · · · · · · · ·		
HANDLING :			g. Avoid prolonged or repeated
	exposure. Handle material with	•	
	After using this product, dispo applicable regulations and app		container in accordance with all
STORAGE :	Store away from moisture and		entilated dry place.
	Keep container tightly closed.		
INCOMPATIBLE PRODUCTS :	Water, moisture		
8. EXPOSURE CONTROL/PERSONAL	PROTECTION		
ENGINEERING MEASURES :		p airborne cono	centrations below exposure limits.
VENTILATION :	Use adequate ventilation. Local Exhaust ; Recommended	d Machanical((
	Not established		Seneral), Recommended
EXPOSURE LIMITS			
ACGIH TLV :	Not established		
-	Not established		
	Not established		
PERSONAL PROTECTION RESPRATORY PROTECTION :	Sofaty maaka		
	Safety masks Safety gloves		
	Safety glasses(goggles)		
	Protective clothing		
9. PHYSICAL AND CHEMICAL PROPE	=		
PHYSICAL STATE :	Solid(Monolithic silicagel)		
COLOUR :	White(Monolithic silicagel)		
ODOR :	Odorless		
MELTING POINT / FREEZING POIN			
	No data available	-	
BOILING POINT OR INITIAL BOILING	No data available	1	
	No data available		
LOWER AND UPPER EXPLOSION L			
	No data available		
FLASH POINT :	No data available		
AUTO-IGNITION TEMPERATURE :	No data available		
DECOMPOSITION TEMPERATURE			
	No data available		
I	No data available		
	Not applicable Insoluble		
SOLUBILITY :			

SDS No.7510-0032	Date November 22, 2021 3/4 page
PARTITION COEFFICIENT	
n-octanol/water (log value)	: No data available
VAPOUR PRESSURE	: No data available
DENSITY AND/OR RELATIVE DE	NSITY
	: No data available
RELATIVE VAPOUR DENSITY	: Not applicable
PARTICLE CHARACTERISTICS	: Not applicable
10. STABILITY AND REACTIVITY	
REACTIVITY	: It is easy to absorb moisture in the air, and carbon dioxide.
CHEMICAL STABILITY	: Stable under recommended storage conditions.
CONDITION TO AVOID	: Sunlight, heat, moisture, CO2, oxidizers, acids
INCOMPATIBLE MATERIALS	: Strong oxidizers and strong acids
HAZARDOUS DECOMPOSITION	PRODUCTS
	: CO, CO ² , silicone oxides
11. TOXICOLOGICAL INFORMATIO	N
ACUTE TOXICITY	: No data available
SKIN CORROSION/IRRITATION	: No data available
EYE DAMAGE/EYE IRRITATION	: No data available
RESPIRATORY OR SKIN SENSIT	ZATION
	: No data available
GERM CELL MUTAGENICITY	: No data available
CARCINOGENICITY	: No data available
REPRODUCTIVE TOXICITY	: No data available
SPECIFIC TARGET ORGAN TOX	
	: No data available
ASPIRATION TOXICITY	: No data available
12. ECOLOGICAL INFORMATION	
HAZARDOUS TO THE AQUATIC	
	: No data available
BIODEGRADABILITY	: No data available
BIOACCUMULATION POTENTIAL	
MOBILITY IN SOIL	: No data available
HAZARDOUS TO THE OZONE LA	
	: The ingredients which are included in this product is not listed in Annex of the Montreal Protocol.
13. DISPOSAL INFORMATION	
	e in accordance with all applicable regulations. Any disposal practice must be in
	ate, and federal laws and regulations (contact country, local or state environment
14. TRANSPORT INFORMATION	
International Regulations	
Maritime regulations	
8	Conform to the provisions of IMO.
UN No.	Conform to the provisions of IMO.
UN No. Proper Shipping Name	Not regulated
	Not regulated
Proper Shipping Name	Not regulated
Proper Shipping Name Class	Not regulated
Proper Shipping Name Class Packing Group	Not regulated
Proper Shipping Name Class Packing Group Marine Pollutant	Not regulated - - - - Not applicable
Proper Shipping Name Class Packing Group Marine Pollutant Aviation regulations	Not regulated - - Not applicable Conform to the provisions of ICAO/IATA. Not regulated
Proper Shipping Name Class Packing Group Marine Pollutant Aviation regulations UN No.	Not regulated - - Not applicable Conform to the provisions of ICAO/IATA. Not regulated

SDS No.7510-0032	Date	November 22, 2021 4/4 page
15. REGULATORY INFORMATION		

For classification and labeling of chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION	: OSHA HCS 2012/29 CFR 1910.1200
EU REGULATION	: CLP Regulation ((EC) No. 1272/2008)

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein 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:

SDS No.7510-0036		Date	January 20, 2020	1/3 page
1. PRODUCT AND COMPANY IDENTI				
	: Binding Buffer			
NAME OF MANUFACTURER	GL Sciences Inc.			
ADDRESS	22-1 Nishishinjuku 6-chc	ome Shinjuku-ku	Tokyo 163-1130, Japan	1
CHARGE SECTION	: International Sales Secti	on		
TELEPHONE No.	+81-3-5323-6620			
FACSIMILE No.	+81-3-5323-6621			
PRODUCT No.	7510-11310, 7510-1131 [,]	1, 7510-11312, 7	510-11313	
SDS No.	7510-0036			
Research use only.				
2. HAZARDS IDENTIFICATION				
This product is used for sample prep is not dangerous goods, we show so supplement below.				
GHS CLASSIFICATION	Classification not possib	le		
HAZARDS SYMBOL	:			
SIGNAL WORD	:			
HAZARD STATEMENTS				
PRECAUTIONARY STATEMENTS	:			
OTHER INFORMATIONS	May possible skin irritati	on by long-term o	or prolonged contact wit	th this produc
	Dispose of contents/cont			•
MOST IMPORTANT HAZARDS	Eye irritation, skin irritati		••	•
3. COMPOSITION/INFORMATION ON				
	Buffer(containing 0.2 %	salt)		
SYNONYMS	:	ouny		
CONTENT				
CHEMICAL FOMULA				
CAS No.	·			
TASCA INVENTRY				
EINECS No.				
4. FIRST AID MEASURES				
	: Wash off with soap and		• •	
INHALATION	: Move victim to fresh air a	and gargle. If bre	athing is difficult, give o	oxygen.
	If irritation persists, cons	ult a physician.		
SKIN CONTACT	 Remove contaminated of shower. Use soap to h physician. 			
EYE CONTACT	 Remove any contact le amounts of running wate separating the eyelids physician. 	er for at least 15	minutes. Assure adequ	ate flushing b
INGESTION	Rinse mouth, give plenty unconscious person. Col			by mouth to a
MOST IMPORTANT SYMPTOMS/EF	FECTS, ACUTE AND DEL	AYED		
	May cause irritation of m	ucous membrane	es, respiratory tract, ski	n and eyes.
5. FIRE FIGHTING MEASURES				
	: Carbon dioxide, dry cher	mical powder. foa	im, water sprav	
	: Toxic and irritating dust,	•	· ·	
SPECIAL PROTECTIVE EQUIPMEN	-		,	
	Fireman should wear r positive-pressure self-co			ker gear) ar

SDS No.7510-0036		Date	January 20, 2020	2/3 page
6. ACCIDENTAL RELEASE MEASUR	ES			
PERSONAL PRECAUTIONS	: Remove ignition source ventilation, wear suitable and avoid contact with s	e respiratory equi		
ENVIROMENTAL PRECATIONS	: Prevent spills from ente Comply with local dispo	-	rcourses or low areas.	
METHODS FOR CLEANING UP	 Do not touch spilled r completely picked up, w area. Pull all wastes in clean, or dispose contait 	naterial without s ash the spill site v a plastic bag for	with soap and water an	d ventilate the
7. HANDLING AND STORAGE				
HANDLING	: Avoid contact with eye exposure. Handle this p			
STORAGE	: Store away from sunligh Keep container tightly c	nt in a refrigerator		
INCOMOPATIBLE PRODUCTS	: Oxidizers and acids	0304.		
8. EXPOSURE CONTROL/PERSONA				<u> </u>
ENGINEERING MEASURES	: Use exhaust ventilation	to keep airborne (concentrations below e	vnosure limite
	Use adequate ventilatio	n.		
VENTILATION	: Local Exhaust ; Recomi	nended, Mechanic	al(General) ; Recomm	ended
CONTROL PARAMETERS	: Not established			
PERSONAL PROTECTION				
RESPRATORY PROTECTION	: Safety masks			
	: Safety gloves			
	: Safety glasses(goggles)	1		
SKIN PROTECTION	: Protective clothing			
9. PHYSICAL AND CHEMICAL PROP				
PHYSICAL STATE	: Liquid			
COLOUR ODOUR	: Clear			
MELTING POINT / FREEZING POI	: No data available			
MELTING FOINT / FREEZING FOI	: No data available			
BOILING POINT OR INITIAL BOILI				
BOILING FOINT OR INITIAL DOILI	: No data available	ANOL		
FLAMMABILITY	: No data available			
LOWER AND UPPER EXPLOSION		МІТ		
	: No data available			
FLASH POINT	: No data available			
AUTO-IGNITION TEMPERATURE				
DECOMPOSITION TEMPERATURE				
	: No data available			
рН	: No data available			
KINEMATIC VISCOSITY	: No data available			
SOLUBILITY	: No data available			
PARTITION COEFFICIENT				
n-octanol/water (log value)	: No data available			
VAPOUR PRESSURE	: No data available			
DENSITY AND/OR RELATIVE DEN	SITY			
	: No data available			
RELATIVE VAPOUR DENSITY	: No data available			
PARTICLE CHARACTERISTICS	: Not applicable			

SDS No.7510-0036		Da	te	January 20, 2020	3/3 page
10. STABILITY AND REACTIVITY					
REACTIVITY	:	Stable under recommended stora	age conditio	ons.	
CHEMICAL STABILITY	:	No data available			
CONDITION TO AVOID	:	Heat, high temperature, sunlight,	open flam	e	
INCOMPATIBILE MATERIALS	:	Oxidizers, acids			
HAZARDOUS DECOMPOSITION	PR	DDUCTS			
	:	No data available			
11. TOXICOLOGICAL INFORMATIO	Ν				
ACUTE TOXICITY	:	No data available			
SKIN CORROSION/IRRITATION	:	No data available			
EYE DAMAGE/EYE IRRITATION	:	No data available			
GERM CELL MUTAGENICITY	:	No data available			
CARCINOGENICITY	:	No data available			
REPRODUCTIVE TOXICITY	:	No data available			
SPECIFIC TARGET ORGAN TOXI	CI	Y			
	:	No data available			
ASPIRATION TOXICITY	:	No data available			
12. ECOLOGICAL INFORMATION					
ECOTOXICITY	:	No data available			
BIODEGRADABILITY	:	No data available			
BIOACCUMULATION POTENTIAL	. :	No data available			
MOBILITY IN SOIL	:	No data available			
OTHER ADVERSE EFFECTS	:	Not listed in Montreal Protocol lis	st.		
13. DISPOSAL INFORMATION					
Dispose in a hazardous-waste sit compliance with country, local, sta agency for specific rules).					
14. TRANSPORT INFORMATION					
ΙΑΤΑ	:	Not dangerous goods			
ADR/RID		Not dangerous goods			

IATA	: Not dangerous goods
ADR/RID	: Not dangerous goods
DOT(Department of Transportation)	: Not dangerous goods
MARINE POLLUTANT	: Not classified

For classification and labeling of chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION : OSHA HCS 2012/29 CFR 1910.1200 EU REGULATION : CLP Regulation ((EC) No. 1272/2008)

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein 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:

SDS No.7510-0037		Date	January 20, 2020	1/3 page
1. PRODUCT AND COMPANY IDENTI	FICATION			
PRODUCT NAME	Washing Buffer			
NAME OF MANUFACTURER	GL Sciences Inc.			
ADDRESS	22-1 Nishishinjuku 6-chome	Shinjuku-ku ⁻	Tokyo 163-1130, Japan	
	International Sales Section	,	, , ,	
	+81-3-5323-6620			
	+81-3-5323-6621			
	7510-11310, 7510-11311, 7	510-11312. 7	510-11313	
	7510-0037	, , , , , , ,		
Research use only.				
2. HAZARDS IDENTIFICATION				
This product is used for sample prep is not dangerous goods, we show so supplement below.	aration in chemical analysis fo me data about chemical subs	or research an tances contai	d development. Althou ned in this product for t	gh this product he information
GHS CLASSIFICATION	Classification not possible			
HAZARDS SYMBOL	:			
SIGNAL WORD	:			
HAZARD STATEMENTS	:			
PRECAUTIONARY STATEMENTS	:			
OTHER INFORMATIONS	May possible skin irritation	by long-term c	or prolonged contact wit	h this product
	Dispose of contents/contain	er in accordar	nce with all applicable r	egulations.
MOST IMPORTANT HAZARDS	Eye irritation, skin irritation,	digestive trac	t irritation, respiratory t	ract irritation.
3. COMPOSITION/INFORMATION ON	INGREDIENTS			
CHEMICAL IDENTITY	Buffer(containing 6 % salt)			
SYNONYMS				
CONTENT	:			
CHEMICAL FOMULA				
CAS No.				
TASCA INVENTRY				
EINECS No.				
EC INDEX No.				
4. FIRST AID MEASURES				
GENERAL ADVICE	Wash off with soap and pler	nty of water. U	lse personal protective	equipment.
	Move victim to fresh air and	•		
	If irritation persists, consult		5 / 5	,0
SKIN CONTACT	Remove contaminated clot shower. Use soap to help physician.	hes and shoe		
EYE CONTACT	 Remove any contact lense amounts of running water for separating the eyelids with physician. 	or at least 15 i	minutes. Assure adequ	ate flushing by
INGESTION	Rinse mouth, give plenty of unconscious person. Consu			by mouth to an
MOST IMPORTANT SYMPTOMS/EF	FECTS, ACUTE AND DELAY	ED		
	May cause irritation of muce	ous membrane	es, respiratory tract, ski	n and eyes.
5. FIRE FIGHTING MEASURES				
EXTINGUISHING MEDIA	Carbon dioxide, dry chemic	al powder, foa	m, water spray	
	Toxic and irritating dust, fun			
SPECIAL PROTECTIVE EQUIPMEN	-		-	
	Fireman should wear norn positive-pressure self-conta			ker gear) and

SDS No.7510-0037		Date January 20, 2020 2/3 page
6. ACCIDENTAL RELEASE MEASUR	RES	
PERSONAL PRECAUTIONS		Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising mist/gas/vapour and avoid contact with skin and eyes.
ENVIROMENTAL PRECATIONS	:	Prevent spills from entering sewers, watercourses or low areas.
		Comply with local disposal regulations.
METHODS FOR CLEANING UP	:	Do not touch spilled material without suitable protection. After material is completely picked up, wash the spill site with soap and water and ventilate the area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose contaminated clothing.
7. HANDLING AND STORAGE		
HANDLING	:	Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Handle this product with appropriate protective equipments.
STORAGE	:	Store away from sunlight in a refrigerator (2 - 10 °C). Keep container tightly closed.
INCOMOPATIBLE PRODUCTS		Oxidizers and acids
8. EXPOSURE CONTROL/PERSON		
ENGINEERING MEASURES		Use exhaust ventilation to keep airborne concentrations below exposure limits.
		Use adequate ventilation.
VENTILATION	:	Local Exhaust ; Recommended, Mechanical(General) ; Recommended
CONTROL PARAMETERS	:	Not established
PERSONAL PROTECTION		
RESPRATORY PROTECTION		Safety masks
	:	Safety gloves
EYE PROTECTION	:	Safety glasses(goggles)
SKIN PROTECTION	:	Protective clothing
9. PHYSICAL AND CHEMICAL PRO		
PHYSICAL STATE	:	Liquid
COLOUR	:	Clear
		No data available
MELTING POINT / FREEZING PO		
		No data available
BOILING POINT OR INITIAL BOIL		No data available
FLAMMABILITY	•	No data available
LOWER AND UPPER EXPLOSION		
		No data available
FLASH POINT	•	No data available
AUTO-IGNITION TEMPERATURE	:	
DECOMPOSITION TEMPERATUR		
		No data available
рH	:	No data available
KINEMATIC VISCOSITY	:	No data available
SOLUBILITY	:	No data available
PARTITION COEFFICIENT		
n-octanol/water (log value)	:	No data available
VAPOUR PRESSURE	:	No data available
DENSITY AND/OR RELATIVE DE	NS	TY
	:	No data available
RELATIVE VAPOUR DENSITY	:	No data available
PARTICLE CHARACTERISTICS	:	Not applicable

10. STABILITY AND REACTIVITY REACTIVITY : Stable under recommended storage conditions. CHEMICAL STABILITY : No data available CONDITION TO AVOID : Heat, high temperature, sunlight, open flame INCOMPATIBILE MATERIALS : Oxidizers, acids HAZARDOUS DECOMPOSITION PRODUCTS : No data available 11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY ACUTE TOXICITY : No data available SKIN CORROSION/IRRITATION : No data available GERM CELL MUTAGENICITY : No data available GERM CELL MUTAGENICITY : No data available CARCINOGENICITY : No data available GERM CELL MUTAGENICITY : No data available GERM CELL MUTAGENICITY : No data available GERM CELL MUTAGENICITY : No data available SPECIFIC TARGET ORGAN TOXICITY : No data available SPECIFIC TARGET ORGAN TOXICITY : No data available BIODEGRADABILITY : No data available BIODEGRADABILITY : No data available BIODEGRADABILITY : No data available OTHER ADVERSE EFFECTS : Not data available OTHER ADVERSE EFFECTS : Not data available <tr< th=""><th>SDS No.7510-0037</th><th></th><th>Date</th><th></th><th>January 20, 2020</th><th>3/3 page</th></tr<>	SDS No.7510-0037		Date		January 20, 2020	3/3 page
CHEMICAL STABILITY No data available CONDITION TO AVOID Heat, high temperature, sunlight, open flame INCOMPATIBILE MATERIALS Oxidizers, acids HAZARDOUS DECOMPOSITION PRODUCTS No data available 11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY ACUTE TOXICITY No data available SKIN CORROSION/IRRITATION No data available GERM CELL MUTAGENICITY No data available CARCINOGENICITY No data available GERM CELL MUTAGENICITY No data available CARCINOGENICITY No data available GERM CELL MUTAGENICITY No data available CARCINOGENICITY No data available SPECIFIC TARGET ORGAN TOXICITY No data available SPECIFIC TARGET ORGAN TOXICITY No data available ASPIRATION TOXICITY No data available BIODEGRADABILITY No data available BIODEGRADABILITY No data available BIOACCUMULATION POTENTIAL No data available OTHER ADVERSE EFFECTS Not listed in Montreal Protocol list. 13. DISPOSAL INFORMATION Iso cordance with an applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulat	10. STABILITY AND REACTIVITY				-	
CHEMICAL STABILITY No data available CONDITION TO AVOID Heat, high temperature, sunlight, open flame INCOMPATIBILE MATERIALS Oxidizers, acids HAZARDOUS DECOMPOSITION PRODUCTS No data available 11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY ACUTE TOXICITY No data available SKIN CORROSION/IRRITATION No data available GERM CELL MUTAGENICITY No data available CARCINOGENICITY No data available GERM CELL MUTAGENICITY No data available CARCINOGENICITY No data available GERM CELL MUTAGENICITY No data available CARCINOGENICITY No data available SPECIFIC TARGET ORGAN TOXICITY No data available SPECIFIC TARGET ORGAN TOXICITY No data available ASPIRATION TOXICITY No data available BIODEGRADABILITY No data available BIODEGRADABILITY No data available BIOACCUMULATION POTENTIAL No data available OTHER ADVERSE EFFECTS Not listed in Montreal Protocol list. 13. DISPOSAL INFORMATION Iso cordance with an applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulat	REACTIVITY	:	Stable under recommended storage	e conditio	ons.	
INCOMPATIBILE MATERIALS : Oxidizers, acids HAZARDOUS DECOMPOSITION PRODUCTS : No data available 11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY : No data available SKIN CORROSION/IRRITATION : No data available EYE DAMAGE/EYE IRRITATION : No data available GERM CELL MUTAGENICITY : No data available GERM CELL MUTAGENICITY : No data available CARCINOGENICITY : No data available REPRODUCTIVE TOXICITY : No data available SPECIFIC TARGET ORGAN TOXICITY : No data available ASPIRATION TOXICITY : No data available 12. ECOLOGICAL INFORMATION ECOTOXICITY : No data available BIODEGRADABILITY : No data available BIODEGRADABILITY : No data available BIOACCUMULATION POTENTIAL : No data available MOBILITY IN SOIL : No data available MOBILITY IN SOIL : No data available T3. DISPOSAL INFORMATION Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmen agency for specific rules). 14. TRANSPORT INFORMATION IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	CHEMICAL STABILITY	:	-			
HAZARDOUS DECOMPOSITION PRODUCTS : No data available 11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY : No data available SKIN CORROSION/IRRITATION : No data available EYE DAMAGE/EYE IRRITATION : No data available GERM CELL MUTAGENICITY : No data available GERM CELL MUTAGENICITY : No data available CARCINOGENICITY : No data available REPRODUCTIVE TOXICITY : No data available SPECIFIC TARGET ORGAN TOXICITY : No data available ASPIRATION TOXICITY : No data available 12. ECOLOGICAL INFORMATION : No data available BIODEGRADABILITY : No data available BIODEGRADABILITY : No data available BIODEGRADABILITY : No data available BIOACCUMULATION POTENTIAL : No data available OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol list. 13. DISPOSAL INFORMATION : Not data available Dispose in a hazardous-waste site in accordance with all applicable regulati	CONDITION TO AVOID	:	Heat, high temperature, sunlight, op	oen flame	9	
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BIODEGRADABILITY : No data available BIOACCUMULATION POTENTIAL : No data available MOBILITY IN SOIL : No data available OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol list. 13. DISPOSAL INFORMATION Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmen agency for specific rules). 14. TRANSPORT INFORMATION IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods : Not dangerous goods	12. ECOLOGICAL INFORMATION					
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MOBILITY IN SOIL : No data available OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol list. 13. DISPOSAL INFORMATION Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmen agency for specific rules). 14. TRANSPORT INFORMATION IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	BIODEGRADABILITY	:	No data available			
OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol list. 13. DISPOSAL INFORMATION Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmen agency for specific rules). 14. TRANSPORT INFORMATION IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	BIOACCUMULATION POTENTIAL	:	No data available			
13. DISPOSAL INFORMATION Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmen agency for specific rules). 14. TRANSPORT INFORMATION IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	MOBILITY IN SOIL	:	No data available			
Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmen agency for specific rules). 14. TRANSPORT INFORMATION IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	OTHER ADVERSE EFFECTS	:	Not listed in Montreal Protocol list.			
compliance with country, local, state, and federal laws and regulations (contact country, local or state environmen agency for specific rules). 14. TRANSPORT INFORMATION IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	13. DISPOSAL INFORMATION					
IATA : Not dangerous goods ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	compliance with country, local, sta					
ADR/RID : Not dangerous goods DOT(Department of Transportation) : Not dangerous goods	14. TRANSPORT INFORMATION					
DOT(Department of Transportation) : Not dangerous goods	ΙΑΤΑ	:	Not dangerous goods			
	ADR/RID	:	Not dangerous goods			
MARINE POLLUTANT : Not classified	DOT(Department of Transportation):	Not dangerous goods			
	MARINE POLLUTANT	:	Not classified			

For classification and labeling of chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION : OSHA HCS 2012/29 CFR 1910.1200

EU REGULATION : CLP Regulation ((EC) No. 1272/2008)

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein 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:

SDS No.7510-0038		Date	January 20, 2020	1/3 page
1. PRODUCT AND COMPANY IDENTI	ICATION			
PRODUCT NAME :	Elution Buffer			
NAME OF MANUFACTURER :	GL Sciences Inc.			
ADDRESS :	22-1 Nishishinjuku 6-ch	ome Shinjuku-ku	Tokyo 163-1130, Japan	l
CHARGE SECTION :	International Sales Sect	tion		
TELEPHONE No.	+81-3-5323-6620			
FACSIMILE No.	+81-3-5323-6621			
PRODUCT No.	7510-11310, 7510-1131	1, 7510-11312, 7	510-11313	
SDS No.	7510-0038			
Research use only.				
2. HAZARDS IDENTIFICATION				
This product is used for sample prep is not dangerous goods, we show so supplement below.				
GHS CLASSIFICATION :	Classification not possil	ble		
HAZARDS SYMBOL :				
SIGNAL WORD :				
HAZARD STATEMENTS :				
PRECAUTIONARY STATEMENTS				
OTHER INFORMATIONS	May possible skin irritat	ion by long-term o	or prolonged contact wit	th this product
	Dispose of contents/cor	ntainer in accorda	nce with all applicable r	egulations.
MOST IMPORTANT HAZARDS :	Eye irritation, skin irritat	tion, digestive trad	ct irritation, respiratory t	ract irritation.
3. COMPOSITION/INFORMATION ON	INGREDIENTS			
CHEMICAL IDENTITY :	Buffer(containing less th	nan 1 % aminobut	tyric acid)	
SYNONYMS :			. ,	
CONTENT				
CHEMICAL FOMULA				
CAS No.				
TASCA INVENTRY				
EINECS No.				
EC INDEX No.				
4. FIRST AID MEASURES				
	Wash off with soap and	plenty of water 1	lse personal protective	equipment
	Move victim to fresh air	•	•	
	If irritation persists, con		ating is unituit, give t	yyen.
SKIN CONTACT	Remove contaminated		e rinee ekin with plan	ity of water a
	shower. Use soap to physician.			
EYE CONTACT :	Remove any contact l amounts of running wat separating the eyelids physician.	er for at least 15	minutes. Assure adequa	ate flushing by
INGESTION :	Rinse mouth, give plent unconscious person. Co			by mouth to an
MOST IMPORTANT SYMPTOMS/EF	FECTS, ACUTE AND DE	LAYED		
:	May cause irritation of r	nucous membran	es, respiratory tract, ski	n and eyes.
5. FIRE FIGHTING MEASURES				
EXTINGUISHING MEDIA :	Carbon dioxide, dry che	mical powder, foa	am, water spray	
	Toxic and irritating dust	-		
SPECIAL PROTECTIVE EQUIPMEN	÷	,	,	
	Fireman should wear positive-pressure self-c			ker gear) and

SDS No.7510-0038	Date January 20, 2020 2/3 page
6. ACCIDENTAL RELEASE MEASURE	S
PERSONAL PRECAUTIONS	: Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising mist/gas/vapour and avoid contact with skin and eyes.
ENVIROMENTAL PRECATIONS	Prevent spills from entering sewers, watercourses or low areas.
	Comply with local disposal regulations.
METHODS FOR CLEANING UP	: Do not touch spilled material without suitable protection. After material is completely picked up, wash the spill site with soap and water and ventilate the area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose contaminated clothing.
7. HANDLING AND STORAGE	
HANDLING	: Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Handle this product with appropriate protective equipments.
STORAGE	 Store away from sunlight in a refrigerator (2 - 10 °C). Keep container tightly closed.
INCOMOPATIBLE PRODUCTS	: Oxidizers and acids
8. EXPOSURE CONTROL/PERSONAL ENGINEERING MEASURES	: Use exhaust ventilation to keep airborne concentrations below exposure limits.
	Use adequate ventilation.
	: Local Exhaust ; Recommended, Mechanical(General) ; Recommended
CONTROL PARAMETERS	: Not established
PERSONAL PROTECTION	
	: Safety masks
	: Safety gloves
	: Safety glasses(goggles)
SKIN PROTECTION	: Protective clothing
9. PHYSICAL AND CHEMICAL PROPE	
	: Liquid
	: Clear
ODOUR	: No data available
MELTING POINT / FREEZING POIN	
	: No data available
BOILING POINT OR INITIAL BOILIN	
	: No data available : No data available
FLAMMABILITY LOWER AND UPPER EXPLOSION I	
	: No data available
	: No data available
AUTO-IGNITION TEMPERATURE	
DECOMPOSITION TEMPERATURE	
	: No data available
	: No data available
•	: No data available
	: No data available
PARTITION COEFFICIENT	
n-octanol/water (log value)	: No data available
VAPOUR PRESSURE	: No data available
DENSITY AND/OR RELATIVE DENS	SITY
	: No data available
RELATIVE VAPOUR DENSITY	: No data available
PARTICLE CHARACTERISTICS	: Not applicable

SDS No.7510-0038		Date	January 20, 2020	3/3 page
10. STABILITY AND REACTIVITY				
REACTIVITY	: Stable under recommend	led storage cond	litions.	
CHEMICAL STABILITY	: No data available			
CONDITION TO AVOID	: Heat, high temperature, s	sunlight, open fla	ame	
INCOMPATIBILE MATERIALS	: Oxidizers, acids			
HAZARDOUS DECOMPOSITION PR	RODUCTS			
	: No data available			
11. TOXICOLOGICAL INFORMATION				
ACUTE TOXICITY	: No data available			
SKIN CORROSION/IRRITATION	: No data available			
EYE DAMAGE/EYE IRRITATION	: No data available			
GERM CELL MUTAGENICITY	: No data available			
CARCINOGENICITY	: No data available			
REPRODUCTIVE TOXICITY	: No data available			
SPECIFIC TARGET ORGAN TOXIC	ITY			
	: No data available			
ASPIRATION TOXICITY	: No data available			
12. ECOLOGICAL INFORMATION				
ECOTOXICITY	: No data available			
BIODEGRADABILITY	: No data available			
BIOACCUMULATION POTENTIAL	: No data available			
MOBILITY IN SOIL	: No data available			
OTHER ADVERSE EFFECTS	: Not listed in Montreal Pro	otocol list.		
13. DISPOSAL INFORMATION				
Dispose in a hazardous-waste site compliance with country, local, state 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 chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION : OSHA HCS 2012/29 CFR 1910.1200

EU REGULATION : CLP Regulation ((EC) No. 1272/2008)

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein 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:

SDS No.7510-0039		Date	January 20, 2020	1/3 page
1. PRODUCT AND COMPANY IDENTI	ICATION		-	· -
PRODUCT NAME	Regeneration Buffer			
	GL Sciences Inc.			
ADDRESS	22-1 Nishishinjuku 6-chor	me Shiniuku-ku To	okvo 163-1130. Japan	
CHARGE SECTION	International Sales Section	•	, , ,	
TELEPHONE No.	+81-3-5323-6620			
	+81-3-5323-6621			
PRODUCT No.	7510-11310, 7510-11311	7510-11312.751	10-11313	
SDS No.	7510-0039	,		
Research use only.				
2. HAZARDS IDENTIFICATION				
This product is used for sample prep is not dangerous goods, we show so supplement below.				
GHS CLASSIFICATION	Classification not possible	е		
HAZARDS SYMBOL	· · · ·			
SIGNAL WORD				
HAZARD STATEMENTS				
PRECAUTIONARY STATEMENTS				
OTHER INFORMATIONS	May possible skin irritatio	n by long-term or	prolonged contact wit	h this product.
	Dispose of contents/conta			
MOST IMPORTANT HAZARDS	Eye irritation, skin irritatio			-
3. COMPOSITION/INFORMATION ON	•	,	······································	
CHEMICAL IDENTITY	Buffer(containing less that	un 0 1 % aminobut	vric acid)	
SYNONYMS				
CONTENT				
CHEMICAL FOMULA				
CAS No.				
TASCA INVENTRY				
EINECS No.				
EC INDEX No.				
4. FIRST AID MEASURES	Mach off with soon and n	lantu of water IIa	a naraanal protoctiva	oquinnoont
	Wash off with soap and p	•		
INHALATION	Move victim to fresh air a If irritation persists, const		ning is afficult, give c	xygen.
SKIN CONTACT	Remove contaminated cl shower. Use soap to h physician.	othes and shoes,		
EYE CONTACT	Remove any contact lea amounts of running water separating the eyelids physician.	r for at least 15 mi	inutes. Assure adequa	ate flushing by
INGESTION			Never give anything b	by mouth to an
5. FIRE FIGHTING MEASURES				
	Carbon dioxide, dry chem	-		
	Toxic and irritating dust, f	fumes or smoke m	ay be emitted.	
SPECIAL PROTECTIVE EQUIPMEN				
	Fireman should wear n positive-pressure self-cor			ker gear) and

SDS No.7510-0039	Date January 20, 2020 2/3 page
6. ACCIDENTAL RELEASE MEASUR	RES
PERSONAL PRECAUTIONS	: Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising mist/gas/vapor and avoid contact with skin and eyes.
ENVIROMENTAL PRECATIONS	 Prevent spills from entering sewers, watercourses or low areas. Comply with local disposal regulations.
METHODS FOR CLEANING UP	 Do not touch spilled material without suitable protection. After material completely picked up, wash the spill site with soap and water and ventilate th area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove clean, or dispose contaminated clothing.
. HANDLING AND STORAGE	
HANDLING	: Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeate exposure. Handle this product with appropriate protective equipments.
STORAGE	 Store away from sunlight in a refrigerator (2 - 10 °C). Keep container tightly closed.
INCOMOPATIBLE PRODUCTS	: Oxidizers and acids
. EXPOSURE CONTROL/PERSONA	
ENGINEERING MEASURES	: Use exhaust ventilation to keep airborne concentrations below exposure limits Use adequate ventilation.
VENTILATION	: Local Exhaust ; Recommended, Mechanical(General) ; Recommended
CONTROL PARAMETERS	: Not established
PERSONAL PROTECTION	
RESPRATORY PROTECTION	: Safety masks
HAND PROTECTION	: Safety gloves
EYE PROTECTION	: Safety glasses(goggles)
SKIN PROTECTION	: Protective clothing
. PHYSICAL AND CHEMICAL PROP	PERTIES
PHYSICAL STATE	: Liquid
COLOUR	: Clear
ODOUR	: No data available
MELTING POINT / FREEZING POI	NT
	: No data available
BOILING POINT OR INITIAL BOIL	
	: No data available
FLAMMABILITY	: No data available
LOWER AND UPPER EXPLOSION	
	: No data available
FLASH POINT	: No data available
AUTO-IGNITION TEMPERATURE	
DECOMPOSITION TEMPERATUR	
	: No data available
	: No data available
	: No data available
SOLUBILITY	: No data available
PARTITION COEFFICIENT	
n-octanol/water (log value)	: No data available
VAPOUR PRESSURE	: No data available
	NSLLY
DENSITY AND/OR RELATIVE DEN	
DENSITY AND/OR RELATIVE DEN	: No data available

SDS No.7510-0039			Date	January 20, 2020	3/3 page
10. STABILITY AND REACTIVITY					
REACTIVITY	:	Stable under recommended	storage cond	itions.	
CHEMICAL STABILITY	:	No data available			
CONDITION TO AVOID	:	Heat, high temperature, sur	ilight, open fla	ime	
INCOMPATIBILE MATERIALS	:	Oxidizers, acids			
HAZARDOUS DECOMPOSITION P	PR	ODUCTS			
	:	No data available			
11. TOXICOLOGICAL INFORMATION	١				
ACUTE TOXICITY	:	No data available			
SKIN CORROSION/IRRITATION	:	No data available			
EYE DAMAGE/EYE IRRITATION	:	No data available			
GERM CELL MUTAGENICITY	:	No data available			
CARCINOGENICITY	:	No data available			
REPRODUCTIVE TOXICITY	:	No data available			
SPECIFIC TARGET ORGAN TOXIC	CIT	Ϋ́			
	:	No data available			
ASPIRATION TOXICITY	:	No data available			
12. ECOLOGICAL INFORMATION					
ECOTOXICITY	:	No data available			
BIODEGRADABILITY	:	No data available			
BIOACCUMULATION POTENTIAL	:	No data available			
MOBILITY IN SOIL	:	No data available			
OTHER ADVERSE EFFECTS	:	Not listed in Montreal Proto	col list.		
13. DISPOSAL INFORMATION					
Dispose in a hazardous-waste site compliance with country, local, sta 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
	: Not classified

For classification and labeling of chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION : OSHA HCS 2012/29 CFR 1910.1200

EU REGULATION : CLP Regulation ((EC) No. 1272/2008)

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein 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:

SDS No.7510-0040		Date January 20, 2020 1/3 page
1. PRODUCT AND COMPANY IDENT		
PRODUCT NAME		Neutralizing Buffer
NAME OF MANUFACTURER		GL Sciences Inc.
ADDRESS	:	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
PRODUCT No.		
		7510-11310, 7510-11311, 7510-11312, 7510-11313
SDS No.	:	7510-0040
Research use only.		
2. HAZARDS IDENTIFICATION		
		ration in chemical analysis for research and development. Although this product ne data about chemical substances contained in this product for the information
GHS CLASSIFICATION	:	Classification not possible
HAZARDS SYMBOL	:	
SIGNAL WORD	:	
HAZARD STATEMENTS	:	
PRECAUTIONARY STATEMENTS	:	
OTHER INFORMATIONS	:	May possible skin irritation by long-term or prolonged contact with this product.
		Dispose of contents/container in accordance with all applicable regulations.
MOST IMPORTANT HAZARDS	:	Eye irritation, skin irritation, digestive tract irritation, respiratory tract irritation.
3. COMPOSITION/INFORMATION OF	NI	
CHEMICAL IDENTITY	:	Tris-HCI buffer
SYNONYMS	:	
CONTENT	:	13%(as Tris)
CHEMICAL FOMULA	:	C4H11NO3
CAS No.	:	77-86-1
TASCA INVENTRY	:	Listed
EINECS No.	:	201-064-4
EC INDEX No.	:	Not established
4. FIRST AID MEASURES		
GENERAL ADVICE	:	Wash off with soap and plenty of water. Use personal protective equipment.
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.
EYE CONTACT	:	Remove any contact lenses at once. Flush eyes well with flooding large amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.
INGESTION	:	Rinse mouth, give plenty of water to vomit. Never give anything by mouth to an unconscious person. Consult a physician.
MOST IMPORTANT SYMPTOMS/E		
	:	May cause irritation of mucous membranes, respiratory tract, skin and eyes.
5. FIRE FIGHTING MEASURES		
EXTINGUISHING MEDIA	:	Carbon dioxide, dry chemical powder, foam, water spray
FIRE & EXPLOSION HAZARDS		Toxic and irritating dust, fumes or smoke may be emitted.
SPECIAL PROTECTIVE EQUIPME	IN	FOR FIRE FIGHTERS
	:	Fireman should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

RES : Remove ignition sources and ventilate the area. In case of insufficien ventilation, wear suitable respiratory equipment. Avoid raising mist/gas/vapou and avoid contact with skin and eyes.
ventilation, wear suitable respiratory equipment. Avoid raising mist/gas/vapou and avoid contact with skin and eyes.
: Prevent spills from entering sewers, watercourses or low areas.
Comply with local disposal regulations.
: Do not touch spilled material without suitable protection. After material completely picked up, wash the spill site with soap and water and ventilate th area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove clean, or dispose contaminated clothing.
 Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeate exposure. Handle this product with appropriate protective equipments.
: Store away from sunlight in a refrigerator (2 - 10 °C).
Keep container tightly closed.
: Oxidizers and acids
IAL PROTECTION
 Use exhaust ventilation to keep airborne concentrations below exposure limits Use adequate ventilation.
: Local Exhaust ; Recommended, Mechanical(General) ; Recommended
: Not established
: Safety masks
: Safety gloves
: Safety glasses(goggles)
: Protective clothing
OPERTIES
: Liquid
: Clear
: No data available
: No data available
LING POINT AND BOILING RANGE
: No data available
: No data available
N LIMIT / FLAMMABILITY LIMIT : No data available
: No data available
E : No data available
RE
: No data available
: No data available
: No data available
ENSITY
ENSITY : No data available
ENSITY

SDS No 7510-0040			Date	January 20, 2020	3/3 page
10. STABILITY AND REACTIVITY			Date	January 20, 2020	oro page
REACTIVITY		Stable under recommende	d atorado con	ditiona	
CHEMICAL STABILITY		Stable under recommende No data available	eu storage cono	unions.	
• • • • • • • • • • • • • • • • • • • •	•				
		Heat, high temperature, s	unlight, open fi	ame	
INCOMPATIBILE MATERIALS		Oxidizers, acids			
HAZARDOUS DECOMPOSITION					
	-	No data available			
11. TOXICOLOGICAL INFORMATIO	Ν				
ACUTE TOXICITY	:	No data available			
SKIN CORROSION/IRRITATION	:	No data available			
EYE DAMAGE/EYE IRRITATION	:	No data available			
GERM CELL MUTAGENICITY	:	No data available			
CARCINOGENICITY	:	No data available			
REPRODUCTIVE TOXICITY	:	No data available			
SPECIFIC TARGET ORGAN TOXI	CI	ΓY			
	:	No data available			
ASPIRATION TOXICITY	:	No data available			
12. ECOLOGICAL INFORMATION					
ECOTOXICITY	:	No data available			
BIODEGRADABILITY	:	No data available			
BIOACCUMULATION POTENTIAL	. :	No data available			
MOBILITY IN SOIL	:	No data available			
OTHER ADVERSE EFFECTS	:	Not listed in Montreal Pro	tocol list.		
13. DISPOSAL INFORMATION					
Dispose in a hazardous-waste sit compliance with country, local, sta agency for specific rules).					
14 TRANSPORT INFORMATION					

14. TRANSPORT INFORMATION	
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DOT(Department of Transportation)	Not dangerous goods
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