

SAFETY DATA SHEET

	Section 1: Identification	
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Product Name	Cyanocobalamin Injection 1000mcg/m	L
Cat No:	AC405920000; AC405920010; AC40592	20050; AC405920250; AC405925000
CAS No.	68-19-9	
	N/1	
Synonyms	Vitamin B12	
Recommended Use	Laboratory chemicals	
Uses Advised Against	Food, drug, pesticide or biocidal produ	ct use
Distributor	SOLA Pharmaceuticals	
	655 Highlandia Drive, Ste B	
	Baton Rouge, LA. 70810	
	Tel: 866.747.7365	
	Fax: 800.754.9550	
	www.solameds.us	
	info@solameds.us	
NDC Number	70512-840-01 (1mL)	
	70512-840-25 (25's 1mL)	
	Section 2: Hazard(s) Identification	
Section 2, Hazard(s) Identification		
Classification		
Classification under 2012 OSHA Hazard	Communication Standard (29 CFR 1910	.1200).
This chemical is not considered hazardo	ous by the 2012 OSHA Hazard Communi	cation Standard (29 CFR 1910.1200).
Label Elements		
None required.		
Hazards Not Otherwise Classified (HNC None identified		
Section	3: Composition/Information on Ing	redients
Section 3, Composition/Information of	· · · · ·	
Component	CAS No.	Weight %
Vitamin B12	68-19-9	96
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Section 4: First-Aid Measures Section 4, First-Aid Measures Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 1 minutes. Get medical attention. Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration. Ingestion Do NOT induce vomiting. Get medical attention. Most important symptoms and Effects No information available Section 5, Fire-Fighting Measures Section 5: Fire-Fighting Measures Suitable Extinguishing Media Water spray. Carbon dioxide (CO ₂). Dry chemical. Chemical foam. Unsuitable Extinguishing Media No information available. Flash Point No information available. Autoignition Temperature No information available. Sensitivity to Kechanical Impact No information available. Sensitivity to Static Discharge No information available. <				
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1 1 1 N/A	<u>NFPA</u>			
	Health I	lammability	Instability	Physical Hazards
Section 6. Accidental Palance Measures	1	1	1	N/A
Section 6: Accidental Release Measures		Section 6	Accidental Release N	Aeasures



Section 6, Accidental	Release Measures			
Personal Precautions	Ensure ac	lequate ventilation. Use pers	onal protective equipme	ent as required.
Environmental Precau	itions Should no	ot be released into the enviro	nment.	
Methods for Containr And Clean Up	nent Sweep up	and shovel into suitable cont	tainers for disposal.	
		Section 7: Handling and St	orage	
Section 7, Handling ar				
Handling		ntact with skin and eyes. Do n	ot breathe dust.	
Storage	•	dry, cool and well-ventilated t. Protect from moisture. Inc	• •	
		Exposure Controls / Perso		
Section 8, Exposure C				
Exposure Guidelines				
Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Vitamin B12		(vacated (TWO: 5mg/m ³	IDLH: 25mg/m ³	
Personal Protective Ed Eye/Face Prot	ection V	Vear appropriate protective e escribed by OSHA's eye and fa r European Standard EN 166.		
Skin and Body	Protection V	Vear appropriate protective g	loves and clothing to pro	event skin exposure.
Respiratory P	rotection N	lo protective equipment is ne	eded under normal use	conditions.
Hygiene Meas	sures H	andle in accordance with goo	d industrial hygiene and	safety practices.
	Sectio	n 9: Physical and Chemica	l Properties	
Section 9, Physical an	d Chemical Propert	ies		
Physical State		olid		
Appearance		bark Red		
Odor		lo information available		
Odor Threshold		lo information available		
pH Malting Daint (Dansa		lo information available		
	•	الماملية منته المليات		
Melting Point/Range		lo data available		
Boiling Point/Range Flash Point	N	lo data available lo information available lo information available		



Evaporation Rate	Not applicable
Flammability (solid, gas)	No information available
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C63 H88 Co N14 O14 P
Molecular Weight	1355.38
	Section 10: Stability and Reactivity
Section 10, Stability and Reactivity	
Reactive Hazard	None known, based on information available.
Stability	Stable under normal conditions. Hygroscopic. Light sensitive.
Conditions to Avoid	Exposure to light. Incompatible products. Exposure to moist air or water.
Incompatible Materials	Acids, Strong Acids
Hazardous Decomposition Products	Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2), Oxides of phosphorus.
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
S	Section 11: Toxicological Information
Section 11, Toxicological Information	5
Acute Toxicity	
Product Information	No acute toxicity information is available for this product.
Component Information Toxicologically Synergistic Products	No information available
Delayed and Immediate Effects As We	II As Chronic Effects from Short and Long-Term Exposure
Irritation	May cause skin, eye, and respiratory tract irritation.
Sensitization	No information available
Carcinogenicity	The table below indicates whether each Agency has listed any ingredients as a carcinogen.



Component	CAS No.	IARC	NTP	ACGIH	OSHA	Mexico
Vitamin B12	68-19-9	Not listed	Reasonably Anticipated	Not listed	Not listed	Not listed
Mutagenic Effect	S	No inform	nation available			
Reproductive Eff Developmental E			nation available nation available			
Teratogenicity		No inform	nation available			
STOT – single exp STOT – repeated		None kno None kno				
Aspiration Hazar	d	No inform	nation available			
Symptoms/Effect And Delayed	ts, Both Acute	No inform	ation available			
Endocrine Disrup	tor Information	No inform	nation available			
Other Adverse Ef	fects		ological properties		ully investigated.	
· · · · · ·	· · · ·	Section 1	2: Ecological In	formation		
	gical Information					
<u>Ecotoxicity</u>						
Persistence and I	Degradability	Soluble in	water. Persisten	ce is unlikely bas	ed on informatio	n available.
Bioaccumulation	Accumulation	No inform	nation available			
Mobility			be mobile in the		to its water solu	bility.
:			8: Disposal Cons	siderations		
	sal Considerations				1 .1	
Waste Disposal N	Aethods	classified local, regi	waste generators as a hazardous wa onal, and nationa ate classification.	aste. Chemical w	aste generators r	nust also consul
			4: Transport In	formation		
Section 14. Trans	port Information					
DOT	Not regulate	ed				
TDG	Not regulate					
IATA	Not regulat					
IMDG/IMO	Not regulate					



Section 15: Regulatory Information

Section 15, Regulatory Information

United States of America Inventory

Component	CAS No.	TSCA	TSCA Inventory Notification – Active/Inactive	TSCA – EPA Regulatory Flags
Vitamin B12	68-19-9	Х	ACTIVE	

Legend:

Legenar	
TSCA	US EPA (TSCA) – Toxic Substances Control Act; 40 CFR Part 710
Х	Listed
<u>"_"</u>	Not listed

TSCA 12(b) – Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL)

Component	CAS No.	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Vitamin B12	68-19-9	Х	-	200- 680-0	Х		Х	Х	Х	KE- 11218

KECL – NIER number or KE number (<u>http://ncis.nier.go/kr/en/main.do</u>

U.S. Federal Regulations

SARA 313

Component	CAS No.	Weight %	SARA 313 – Threshold Values %
Vitamin B12	68-19-9	96	1.0 0.1

SARA 311/312 Hazard Categories

See section 2 for more information

CWA (Clean Water Act)

Not applicable

Component	CWA – Hazardous Substances	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants
Vitamin B12	-	-	Х	Х

Clean Air Act

Not applicable

Not applicable

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Vitamin B12	Х		-

OSHA – Occupational Safety And Health Administration



		Not applicable			
California Proposit	ion 65	This product doe	s not contain any Pro	position 65 chemical	S.
U.S. State Right-To	-Know Regulation	S			
Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Vitamin B12	-	Х	Х	Х	Х
U. S. Department o	of Transportation				
Reportable Quantit	:y (RQ)	Ν			
DOT Marine Polluta	ant	Y			
DOT Severe Marine	e Pollutant	Ν			
Security			s not contain any DSF	i chemicais.	
Security Other Internationa	I Regulations			i chemicais.	
	I Regulations	No information a		i chemicais.	
Other Internationa	-	No information a		i chemicais.	
<u>Other Internationa</u> Mexico – Grade Authorization/Reg	istriction Accordin	No information a bg to EU REACH			

	Vitamin B12	68-19-9	Not applicable	Not applicable	Not applicable	Not applicable
	Component	CAS No.	Seveso III Directive (2012/18/EC) – Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) – Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
	Vitamin B12	68-19-9	Not Applicable	Not applicable	Not applicable	Not applicable
Section 16: Other Information						

Section 16, Other Information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.

SOLA shall not be held liable for any damage resulting from handling or from contact with the above product. SOLA reserves the right to revise this Safety Data Sheet.