


Section 1: Identification

Product Name:	EOS® Vitamin B-12 Supplement
Chemical Description:	Solution
Manufacturer:	EOS Asia Remediation Co., Ltd. 1F., No. 20, Anlin 3rd St., Yanchao, Kaohsiung, Taiwan 824 (P): +886-7-616-9827 www.eos-asia.com
Recommended Use:	Groundwater bioremediation (environmental applications)
Restricted Use:	Not for human consumption.
24-Hour Emergency Contact:	EOS Asia Remediation Co., Ltd.: Taiwan (P): +886-7-616-9827 ChemTel: International (P): 813-248-0585

Section 2: Hazard(s) Identification

Hazard Classification:	Irritant (skin and eye)
Signal Word:	Warning
Hazard Statement(s):	Potential eye and skin irritant.
Pictograms:	
Precautionary Statement(s):	Not for human consumption. Avoid contact with eyes and skin. Wear protective gloves and eye protection. Ingestion of large quantities may cause gastric disturbances.

Section 3: Composition/Information on Ingredients

Common Name(s)	CAS NO.	% by Weight
Cyanocobalamin	68-19-9	0.2-0.26
Water	7732-18-5	0.74-0.8

Section 4: First-Aid Measures

Routes of Exposure	Emergency First-Aid Procedures
Inhalation	Remove to fresh air.
Eye Contact	Flush with water for 15 minutes; if irritation persists see a physician.
Skin Contact	Wash with mild soap and water.
Ingestion	Product is non-toxic. If nausea occurs, induce vomiting and seek medical attention.

Section 5: Fire-Fighting Measures

Extinguishing Media:	CO ₂ , foam, dry chemical
Special Fire Fighting Procedures:	None
Fire Hazard(s):	None

Section 6: Accidental Release Measures

Personal Precautions:	Avoid contact with eyes and skin. Do not consume.
Emergency Procedures:	N/A
Methods & Materials used for Containment:	Compatible granular absorbent
Cleanup Procedures:	Spread compatible granular absorbent over spill area and sweep using broom and pan; dispose in appropriate receptacle. Clean area with water.

Section 7: Handling and Storage

Safe Handling & Storage:	Keep container tightly closed in a dry and well-ventilated place. Protect from sunlight. Recommended storage temperature is 2-8 °C.
Other Precautions:	Consumption of food and beverages should be prevented in work area where product is being used. After handling product, always wash hands and face thoroughly with soap and water before eating, drinking, or smoking.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	
OSHA PEL:	NE
ACGIH TLV:	NE
NIOSH REL:	NE
Personal Protective Measures	
Respiratory Protection:	Not normally required.
Hand Protection:	Protective gloves are recommended
Eye Protection:	Recommended
Engineering Measures:	Local exhaust ventilation
Hygiene Measures:	Wash promptly with soap & water if skin becomes irritated from contact.
Other Protection:	Wear appropriate clothing to prevent skin contact.

Vitamin B-12

SAFETY DATA SHEET

Section 9: Physical and Chemical Properties

Appearance:	Red Liquid	Explosive Limits:	N/A
Odor:	None	Vapor Pressure:	24 mm Hg
Odor Threshold:	N/A	Vapor Density:	NE
pH:	Neutral	Relative Density:	NE
Melting Point/Freezing Point:	32°F (0°C)	Solubility:	Soluble
Boiling Point:	212°F (100°C)	Partition coefficient:	NE
Flash Point:	NE	Auto-ignition Temperature:	NE
Evaporation Rate:	NE	Decomposition Temperature:	NE
Flammability (solid, gas):	NE	Viscosity:	NE

Section 10: Stability and Reactivity

Stability:	Stable. Decomposes on exposure to light.
Incompatibility:	Water reactive materials
Hazardous Decomposition Products:	None known
Hazardous Reactions/Polymerization:	Will not occur
Conditions to Avoid:	None known

Section 11: Toxicological Information

Likely Routes of Exposure:	Ingestion, dermal and eye contact
Signs and Symptoms of Exposure:	None known
Health Hazards	
Acute:	Potential eye and skin irritant. Ingestion in large amounts may cause gastric disturbances.
Chronic:	None known
Carcinogenicity	
NTP:	No
IARC:	No
OSHA:	No

Section 12: Ecological Information (non-mandatory)

There is no data on the ecotoxicity of this product.

Section 13: Disposal Considerations (non-mandatory)

Waste Disposal Methods:	Dispose of according to Federal and local regulations for non-hazardous waste. Recycle, if practical.
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Section 14: Transport Information (non-mandatory)

The product is not covered by international regulation on the transport of dangerous goods.

No transport warning required.

Section 15: Regulatory Information (non-mandatory)

N/A

Section 16: Other Information

Date of Preparation: 21 November 2014

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