



BIO 520 Safety Data Sheet

HOT LINE NUMBER

Have the product container or label with you when calling the poison control center or doctor, or going for treatment. You may also contact **CHEMTREC 1-800-424-9300** (Outside USA: +1.703.527.3887) for emergency medical treatment information.

Non-Chemical Product

1	PRODUCT DESCRIPTION	<ul style="list-style-type: none">▶ BIO 520 POWDER. A compound of water-soluble, powdered minerals, commonly used in plant cultivation.HS code ▶ 2517.49Application ▶ To stimulate healthy plant growth. Soluble into water to form concentrate. Then diluted 1,000 to 1 into plant irrigation water.Synonyms ▶ None
	PRODUCED BY	BIO 520 LLC 112 N. Curry Avenue, Carson City, NV 89703-4934
	Contact ▶	▶ Pete Brocklesby
	Phone ▶	▶ 310-456-4458
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2	HAZARD INFORMATION	<ul style="list-style-type: none">Potential health effects: ▶ Harmless if ingested, inhaled or in skin and eye contact.Environmental effects: ▶ Safe. No impact on environment, animals, birds, insects or aquatic life.Physical and chemical hazard: ▶ No hazard. Equivalent to U.S. FDA GRAS categorization (Generally Regarded as Safe)Chemical material categories: ▶ Not Applicable - No chemicals in product.
3	COMPOSITION/INGREDIENTS	<ul style="list-style-type: none">Potential health effects: ▶ Harmless if ingested, inhaled or in skin and eye contact.EINECS-Nr./EC-Nr./ELINCS-Nr. ▶ n/aDanger Symbol ▶ None
4	FIRST AID MEASURES	<ul style="list-style-type: none">General indications ▶ No specific protection requiredWhen in eye contact: ▶ Harmless. Wash eyes with clean water.When in skin contact: ▶ Harmless. Wash with clean water.Inhalation: ▶ Harmless.
5	FIRE FIGHTING PROCEDURES	<ul style="list-style-type: none">Extinguishing media: ▶ No special instruction necessary. The product is incombustible.Special fire-fighting procedures: ▶ No special fire-fighting instructions. The product does not burn. Releases no harmful gases.
6	ACCIDENTAL SPILL OR RELEASE PROCEDURES	<ul style="list-style-type: none">Human consideration: ▶ Wear Protective clothing and respiratory equipmentEnvironmental consideration: ▶ None. Can be harmlessly released to river, sea, lake, municipal or natural water drainage.Removal measures: ▶ Product is designed for dilution at 1,000 to 1 in water. If accidentally released in undiluted form simply wash away with water.
7	HANDLING AND STORAGE OF CONCENTRATE	<ul style="list-style-type: none">Handling: ▶ No special handling or safety requirements are applicable.Storage: ▶ Room temperature away from UV light.Shelf Life: ▶ 3 years in dry form in sealed aluminum foil packages.
8	EXPOSURE CONTROLS / PERSONAL PROTECTION	<ul style="list-style-type: none">Exposure measurement: ▶ Not applicableDensity control: ▶ Not applicable
9	PHYSICAL/CHEMICAL PROPERTIES	<ul style="list-style-type: none">Appearance: ▶ Gray white powder. Mixes to a harmless clear liquid when added to water.Odor: ▶ OdorlessPhysical state: ▶ Powder. Without taste.Boiling point: ▶ NoneFlash point: ▶ No flashIgnition point: ▶ No ignitionExplosive limit: ▶ No lower or upper limitSpecific gravity (h₂o = 1): ▶ 2.3Solubility in water: ▶ For use, mix in water to form concentrate. Then dilute at 1,000 to 1 into irrigation water.Other solubles: ▶ None specified



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10 STABILITY AND REACTIVITY

- ▶ Inert. When mixed with water the resultant liquid has no reaction to acid or alkali. Dilutable. Stable with detergents and solvents. Neither factors are relevant to the product application, which is as a growth promoter when added to irrigation water for the organic growth of plants
- Reactivity: ▶ None
- Conditions to avoid (stability): ▶ None
- Incompatibility (material to avoid): ▶ None
- Hazardous decomposition or by-products: ▶ None

11 TOXICOLOGICAL INFORMATION

- Acute oral toxicity ▶ Rat Oral Test: Not applicable. Harmless, non-toxic
- Dermal toxicity ▶ None

12 ECOLOGICAL AND HEALTH INFORMATION

- ▶ Product provides plant nutrition, improves plant yield and eliminates chemical accumulation in food crops

13 DISPOSAL CONSIDERATIONS

- ▶ No special considerations. Dispose of in a manner consistent with national and local regulations.

14 TRANSPORT INFORMATION

- International regulation: ▶ Not applicable
- United nations categories: ▶ Not applicable
- United nations numbers: ▶ Not applicable
- Transportation safety precautions: ▶ HS Code. 2517.49. No special considerations, except for liquid nature of the product. Follow the instructions in SECTION 7, above.
- Handling consideration: ▶ Ensure no leakage from the containers
- Packaging: ▶ Powder product is hydrophilic. Packaged in sealed, water-resistant aluminum foil packages. Packaged in standard 5 kg, 10 kg and 20kg sizes placed within cardboard cartons. Palletize and strap the cartons so they do not fall, or break. Make sure the cargo is fastened securely and firmly.

WATER TRANSPORTATION & AIR TRANSPORTATION

- ▶ Mixed loading is allowed because the material is chemically inert, non- hazardous and non-flammable

15 REGULATIONS

- ▶ Not applicable. Considered GRAS under U.S. FDA categorization (Generally Regarded as Safe).

16 OTHER INFORMATION

- ▶ This information is based on our present state of knowledge and is intended to describe our product with respect to possible safety demands. We provide no guarantee of properties or description of qualities.

EXTRA REMARKS

- ▶ None

Disclaimer: The SDS information contained herein is created based on the latest information and data available to the company. New information may change the contents of this SDS. Also, considerations described in this SDS assume usual usage of the material. If users try to use this material for non-usual purposes then users should use this material with appropriate safety measurements for those special purposes. Although BIO 520 LLC makes every effort to check the statements in this SDS, no guarantees are made concerning any statement in this SDS.