

SAFETY DATA SHEET

Product: Calcium 24

Revision date: 07/01/2016

1. Identification.

- (a) Product identifier used on the label; Calcium 24
- (b) Other means of identification; Calcium Glycinate
- (c) Recommended use of the chemical and restrictions on use;
 - Recommended use: Mineral foliar supplement
 - Restrictions on use: For agricultural use
- (d) Manufacturer Details;
 - Company: Tainio Biologicals, Inc.
 - Address: PO Box 19185
Spokane, Washington 99219
- (e) Emergency phone number; (509) 747-5471

2. Hazard(s) identification.

- (a) Classification of the chemical in accordance with paragraph (d) of §1910.1200; Skin irritation. Serious eye damage.
- (b) Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200. (Hazard symbols may be provided as graphical reproductions in black and white or the name of the symbol, e.g., flame, skull and crossbones); Danger.
- (c) Describe any hazards not otherwise classified that have been identified during the classification process; No known hazard.
- (d) Where an ingredient with unknown acute toxicity is used in a mixture at a concentration $\geq 1\%$ and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of the mixture consists of ingredient(s) of unknown acute toxicity is required; No additional information available.

3. Composition/information on ingredients.

Except as provided for in paragraph (i) of §1910.1200 on trade secrets this is a proprietary blend of Calcium bisglycinate chelate CAS#56960-17-9, calcium carbonate CAS#471-34-1 maltodextrin CAS#9050-36-6, silica CAS#110-15-6.

4. First-aid measures.

- (a) Description of first aid measures:
 - If inhaled: Remove to fresh air
Drink water to clear throat
 - In case of skin contact: Wash with soap and water
 - In case of eye contact: Flush with water for 10 minutes
 - If swallowed: Wash out mouth thoroughly with water



Obtain medical attention

(b) Most important symptoms/effects, acute and delayed; None expected under normal conditions of use.

(c) Indication of immediate medical attention and special treatment needed, if necessary; None expected under normal conditions of use.

5. Fire-fighting measures.

(a) Suitable (and unsuitable) extinguishing media; Water, foam, carbon dioxide, dry chemical.

(b) Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products); No specific hazard.

(c) Special protective equipment and precautions for fire-fighters; Use protective clothing and breathing equipment appropriate for surrounding fire.

6. Accidental release measures.

(a) Personal precautions, protective equipment, and emergency procedures; Wear appropriate protective clothing. Sweep up spillage and wash affected area.

(b) Methods and materials for containment and cleaning up; Dispose of in a manner according to local regulations.

7. Handling and storage.

(a) Precautions for safe handling; Store below 120 degrees F.

(b) Conditions for safe storage, including any incompatibilities; Store away from direct sunlight, extremely high or low temperatures. No known incompatibilities.

8. Exposure controls/personal protection.

(a) OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available; No additional information is available.

(b) Appropriate engineering controls; No additional information is available.

(c) Individual protection measures, such as personal protective equipment; Wear appropriate clothing. Fine dust respirator to standard N95 or equivalent.

9. Physical and chemical properties.

(a) Appearance (physical state, color, etc.);	Yellow powder
(b) Odor;	Characteristic
(c) Odor threshold;	No data available
(d) pH;	10.0-11.0 (1% in distilled water)
(e) Melting point/freezing point;	No data available
(f) Initial boiling point and boiling range;	No data available
(g) Flash point;	No data available
(h) Evaporation rate;	No data available
(i) Flammability (solid, gas);	No data available
(j) Upper/lower flammability or explosive limits;	No data available
(k) Vapor pressure;	No data available
(l) Vapor density;	No data available
(m) Relative density;	0.62-0.68 g/cc
(n) Solubility(ies);	No data available



(o) Partition coefficient: n-octanol/water;	No data available
(p) Auto-ignition temperature;	No data available
(q) Decomposition temperature;	No data available
(r) Viscosity.	No data available

10. Stability and reactivity.

(a) Reactivity;	Product is stable
(b) Chemical stability;	Stable if stored and applied as directed
(c) Possibility of hazardous reactions;	None known
(d) Conditions to avoid;	Direct sunlight
	Extremely high or low temperatures
(e) Incompatible materials;	None known
(f) Hazardous decomposition products;	Metal oxides are possible

11. Toxicological information.

Description of the various toxicological (health) effects and the available data used to identify those effects, including:

- (a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact); No additional information available.
- (b) Symptoms related to the physical, chemical and toxicological characteristics; No additional information available.
- (c) Delayed and immediate effects and also chronic effects from short and long-term exposure; No additional information available.
- (d) Numerical measures of toxicity (such as acute toxicity estimates); No additional information available; and,
- (e) Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA; This product does not contain chemicals on the IARC or NTP lists. There is no evidence to suggest that this product has carcinogenic properties.

12. Ecological information.

- (a) Ecotoxicity (aquatic and terrestrial, where available); No environmental hazard is anticipated provided that the material is handled and disposed of as directed.
- (b) Persistence and degradability; No additional information available.
- (c) Bioaccumulative potential; No additional information available.
- (d) Mobility in soil; No additional information available.
- (e) Other adverse effects (such as hazardous to the ozone layer; No additional information available.

13. Disposal considerations.

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Contact your local waste disposal authority for guidelines on proper disposal.

14. Transport information.

- (a) UN number; No additional information available.
- (b) UN proper shipping name; No additional information available.



- (c) Transport hazard class(es); No additional information available.
- (d) Packing group, if applicable; No additional information available.
- (e) Environmental hazards (e.g., Marine pollutant (Yes/No)); No additional information available.
- (f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code); No additional information available.
- (g) Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises; No additional information available.

15. Regulatory information.

Safety, health and environmental regulations specific for the product in question; No additional information available.

16. Other information, including date of preparation or last revision.

Prepared by: Jiangsu Khonor Chemicals Co., Limited
Revision date: 07/01/2016

The information contained herein is based on our current knowledge and is provided in good faith to comply with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

