

Material Safety Data Sheet  
14-0-0

**1. Product and Distributor information**

Product Identification: Plant derived 80% Amino acid powder.

Name: Green 14-0-0

Company: Green Search Inc.  
231 county Rd 34E,  
Cottam- Ontario  
NOR1B0 - Canada

**2. Physical/Chemical characteristics:**

Physical state: Solid, powder.

Appearance: golden yellow powder

Solubility: completely water soluble

Total amino acid: 80%min

pH (50g/L 25.): 5.5-6.5

Size: 20mesh

Boiling point/range: N/A

Decomposition temperature: N/A

Flashpoint: Non combustible

Heavy metals: 10 ppm max

Pb: 0.005% max,

As: 5 ppm, max

Na: 5% max

### 3. Hazards Identification:

No hazards reported.

### 4. First-aid measurements

Eye contact: Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of eyes by separating eyelids with fingers. Obtain medical attention immediately.

Skin contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

### 5. Fire-Fighting Measurements

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing media: Water, CO<sub>2</sub>.

### 6. Accidental Release Measurements

When dusts are generated, use personal protective wears: dust filter, goggles, gloves and protective clothing.

Environmental precautions: No ecological problems are to be expected.

## 7. Handling and Storage

Handling: Wash thoroughly after handling.

Wash hands before eating.

Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Keep container closed when not in use.

Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Store protected from moisture.

## 8. Exposure Controls / Personal Protection

Engineering measures to reduce exposures: Avoid dust generation.

Threshold limit value: N/A

Personal protective equipment: When dust is generated.

Respiratory protection: Dust filters

Hand protection: Gloves

Eye protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Face protection: Regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Specific hygiene measure: Change contaminated clothing. Wash hands after working with substance.

## 9. Stability and reactivity

Stability: Stable under normal temperatures and pressures. Hygroscopic.

Materials to avoid: Aluminum, diazomethane, phosphorus

Hazardous decomposition products: In the event of fire: PO<sub>x</sub>

## 10. Toxicological Information

LD50/LC50: >300 mg/KG in rats

## 11. Ecological Information

No ecological problems are to be expected.

## 12. Disposal Consideration

Dispose according to local and national regulation. Clean up affected area.

## 13. Transport and Regulatory Information

Not regulated by IMO/IMDG

UN No: Not Classified

NFPA Hazard rating: Health: Not rated

## 14. Other Information

We do not accept liability for loss, injury, or damage which may result from misuse. Information presented here is solely for guidance purposes of safe handling and uses. Users are encouraged to conduct their own testing best suited for their purposes under their conditions.