1. Product and company identification

Common name: Soluble Seaweed Extract
Material uses: Hydroponic nutrients.
Supplier/Manufacturer: Technaflora Plant Products Ltd.
7261 River Place, 101
Mission, B.C.
Canada, V4S 0A3
Tel. 604-826-4759 / 1-800-586-1211

2. Hazards identification

Physical state: Solid. (Powder.)
Odor: Seaweed (Slight.)
Color: Black.
Hazard status: This material is classified as not hazardous under OSHA regulations.
Emergency overview: No specific hazard.
Use WITH CARE. Follow good industrial hygiene practice.

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects:
- Eyes: No known significant effects or critical hazards.
- Skin: No known significant effects or critical hazards.
- Inhalation: No known significant effects or critical hazards.
- Ingestion: No known significant effects or critical hazards.

Potential chronic health effects:
- Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
- Mutagenic effects: Not available.
- Teratogenic effects: Not available.

See toxicological information (section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>United States</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. First aid measures

Eye contact: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

Skin contact: Wash with soap and water. Get medical attention if symptoms occur.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Notes to physician: No specific antidote. Medical staff must contact Poison Control Center.

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5. Fire-fighting measures

Flammability of the product: May be combustible at high temperature.
Extinguishing media
- Suitable: Use an extinguishing agent suitable for the surrounding fire.
- Not suitable: None known.
Special exposure hazards: No specific hazard.
Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: Use suitable protective equipment.
Environmental precautions: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up: If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

7. Handling and storage

Handling: Wash thoroughly after handling.
Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protection
- Eyes: Safety glasses.
- Skin: Lab coat.
- Respiratory: A respirator is not needed under normal and intended conditions of product use.
- Hands: Disposable vinyl gloves.

HMIS Code/Personal protective equipment: A

Personal protection in case of a large spill
- Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.
- Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.
9. Physical and chemical properties

Physical state: Solid. (Powder.)
Color: Black.
Odor: Seaweed (Slight.)
Solubility: Highly soluble in water.

10. Stability and reactivity

Stability and reactivity: The product is stable.
Incompatibility with various substances: Reactive with oxidizing materials.
Hazardous polymerization: Will not occur.
Conditions of reactivity: None known.

11. Toxicological information

Acute Effects
- Eyes: No known significant effects or critical hazards.
- Skin: No known significant effects or critical hazards.
- Inhalation: No known significant effects or critical hazards.
- Ingestion: No known significant effects or critical hazards.
Potential chronic health effects:
- Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
- Mutagenic effects: Not available.
- Teratogenic effects: Not available.

12. Ecological information

Environmental precautions: No known significant effects or critical hazards.
Products of degradation: Not available.

13. Disposal considerations

Waste disposal: Dispose of according to all federal, state and local applicable regulations.

14. Transport information

NAERG: Not applicable.
Regulatory information
UN/IMDG/IATA/DOT: Not regulated.

15. Regulatory information

United States
HCS Classification: Not regulated.
U.S. Federal regulations:
- TSCA: No products were found.
- SARA 302/304 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: No products were found.
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
- Clean Water Act (CWA) 307: No products were found.
- Clean Water Act (CWA) 311: No products were found.
- Clean Air Act (CAA) 112 accidental release prevention: No products were found.
- Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

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Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations: No products were found.
California prop. 65: No products were found.

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. Other information

Hazardous Material Information System (U.S.A.):

<table>
<thead>
<tr>
<th>HMIS RATING</th>
<th>HAZARD RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>4- Extreme</td>
</tr>
<tr>
<td></td>
<td>3- Serious</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>2- Moderate</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>1- Slight</td>
</tr>
<tr>
<td>Personal protection</td>
<td>0- Minimal</td>
</tr>
</tbody>
</table>

Flammability: 0
Reactivity: 0
Special: 0

National Fire Protection Association (U.S.A.): 0

References:

Date of issue: 09/02/2011
Date of previous issue: 08/31/2006
Date of previous issue: 06/30/2004
Version: 3

Notice to reader
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