

# Safety Data Sheet

- Section 1 Identification** (a) GHS product identifier; **PGS**  
(b) Other means of identification; **NA**  
(c) Recommended use of the chemical and restrictions on use; **Micronutrient Complex**  
(d) Supplier's details (including name, address, phone number etc.); **U.S. Ag, LLC 542 Wilson Rd Luthersville GA 30251. Office: 770-927-3206.**  
(e) Emergency phone number. **CHEMTREC 1-800-424-9300**
- Section 2 Hazard Identification** (a) GHS classification of the substance/mixture and any national or regional information; **liquid proprietary micronutrient blend**  
(b) GHS label elements, including precautionary statements. (Hazard symbols may be provided as a graphical reproduction of the symbols in black and white or the name of the symbol e.g. "flame", "skull and crossbones"); **Avoid contact with eyes, skin, ingestion, etc**  
(c) Other hazards which do not result in classification (e.g. "dust explosion hazard") or are not covered by the GHS. **NA**
- Section 3 Product Composition** **Substance**  
(a) Chemical identity; **Ascophyllum Nodosum and liquid proprietary micronutrient blend**  
(b) Common name, synonyms, etc.; **Ascophyllum Nodosum**  
(c) CAS number and other unique identifiers; **84775-78-0/Proprietary**  
(d) Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance. **NA**  
**Mixture** The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS and are present above their cut-off levels. **None**
- Section 4 First-Aid Measures** (a) Description of necessary measures, subdivided according to the different routes of exposure, i.e. inhalation, skin and eye contact and ingestion; **Eyes:** Flush with clean water for 15 minutes. If irritation persists, consult a physician. As with all chemicals, eye protection should be used. **Skin:** Wash with soap and water. If irritation develops, consult physician. **Ingestion:** If ingested consult a physician immediately. Do not induce vomiting. **Inhalation:** Use in well ventilated area, however if symptomatic, remove to fresh air.  
(b) Most important symptoms/effects, acute and delayed. **Irritation, discomfort, pain, etc**  
(c) Indication of immediate medical attention and special treatment needed, if necessary. **Contact with eyes.**
- Section 5 Fire-fighting Measures** (a) Suitable (and unsuitable) extinguishing media. **Non-flammable. Fire extinguisher/other**  
(b) Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products). **NA**  
(c) Special protective equipment and precautions for fire-fighters. **NA**
- Section 6 Accidental Release Measures** (a) Personal precautions, protective equipment and emergency procedures. **None required. Goggles and gloves recommended.**  
(b) Environmental precautions. **Avoid contaminating bodies of water and/or areas directly effecting wildlife/populace.**  
(c) Methods and materials for containment and cleaning up. **Liquids can be absorbed with oil dry or cat litter and then disposed.**
- Section 7 Handling & Storage** (a) Precautions for safe handling. **None required. Goggles and gloves recommended.**  
(b) Conditions for safe storage, including any incompatibilities. **None**
- Section 8 Exposure Controls & Personal Protection** (a) Control parameters e.g. occupational exposure limit values or biological limit values. **NA**  
(b) Appropriate engineering controls. **NA**  
(c) Individual protection measures, such as personal protective equipment. **NA**
- Section 9 Physical & Chemical Properties** (a) Appearance (physical state, colour etc); **Dark brown**  
(b) Odour; **slight**  
(c) Odour threshold; **NA**  
(d) pH; **4.5**  
(e) Melting point/freezing point; **NA/32F**  
(f) Initial boiling point and boiling range; **214F**  
(g) Flash point; **None flammable**  
(h) Evaporation rate; **NA**  
(i) Flammability (solid, gas); **None**  
(j) Upper/lower flammability or explosive limits; **NA**  
(k) Vapour pressure; **NA**  
(l) Vapour density; **NA**  
(m) Relative density; **8.59**  
(n) Solubility(ies); **Yes**  
(o) Partition coefficient: n-octanol/water; (p) Auto-ignition temperature; **NA**  
(q) Decomposition temperature; **NA**  
(r) Viscosity. **0.916**

- Section 10  
Stability &  
Reactivity**
- (a) Reactivity **NA**
  - (b) Chemical stability; **Yes**
  - (c) Possibility of hazardous reactions; **No**
  - (d) Conditions to avoid (e.g. static discharge, shock or vibration); **NA**
  - (e) Incompatible materials; **None known**
  - (f) Hazardous decomposition products. **None**
- Section 11  
Toxicological  
Information**
- Concise but complete and comprehensible 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); **Ingestion, skin, inhalation, eye contact**
  - (b) Symptoms related to the physical, chemical and toxicological characteristics; **Discomfort, irritation, burning, wheezing, vision change**
  - (c) Delayed and immediate effects and also chronic effects from short and long term exposure; **No delayed or chronic effects anticipated**
  - (d) Numerical measures of toxicity (such as acute toxicity estimates). **NA**
- Section 12  
Ecological  
Information**
- (a) Ecotoxicity (aquatic and terrestrial, where available); **NA**
  - (b) Persistence and degradability; **Compounds biodegrade**
  - (c) Bioaccumulative potential; **None**
  - (d) Mobility in soil; **Yes**
  - (e) Other adverse effects. **None**
- Section 13  
Disposal  
Considerations**
- Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging. **Non-toxic. Perform in compliance with all federal, state and local regulations.**
- Section 14  
Transport  
Information**
- (a) UN number; **NA/non-hazardous**
  - (b) UN proper shipping name; **NA/non-hazardous**
  - (c) Transport hazard class(es); **NA/non-hazardous**
  - (d) Packing group, if applicable; **NA/non-hazardous**
  - (e) Environmental hazards (e.g.: Marine pollutant (Yes/No)); **NA/non-hazardous**
  - (f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code); (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. **NA/non-hazardous**
- Section 15  
Regulatory  
Information**
- Safety, health and environmental regulations specific for the product in question. **NA**
- Section 16  
Other  
Information**

The above furnished information is believed to be correct on the date it was published. This SDS is provided without any warranty expressed or implied. Users should consider this data as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.