

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	<b>KELP MEAL</b>
<b>Identified Uses</b>	Ag Product-Plant Nutrition
Details of the supplier of the safety data sheet	
Supplier	Pestell Nutrition
Address	141 Hamilton Rd New Hamburg, Ontario Canada, N3A 2H1
Phone	519-662-2877
Email	qa@pestell.com
Emergency telephone number (24 hr)	Canada: CANUTEC 1 613-996-6666 US: CHEMTREC 1 703-527-3887

## 2. HAZARDS IDENTIFICATION

<b>Classification (GHS)</b>	Not Classified
<b>GHS Labelling</b>	No Labelling applicable
<b>Percentage</b>	Not applicable
<b>Hazard Statement</b>	No known significant effects or critical hazards
<b>Other Hazards</b>	Hazards Not Otherwise Classified (HNOC), None Known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS. NO.	Classification
Kelp Meal	N/A	Not Classified

This material is made from natural products, and may contain naturally occurring microorganisms. Proper precautions are advised to prevent infection of open wounds, inhalation of excessive amounts of dust, and eye irritation. The proper hygiene practices necessary to prevent health hazards from naturally occurring substances such as soil, wood, etc should be observed.

## 4. FIRST AID MEASURES

### Description of First Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persists.
Skin Contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Drink plenty of water and induce vomiting only if victim is conscious. Never give anything by mouth to an unconscious person. Get medical attention if necessary.

### Most Important Symptoms and Effects Both Acute and Delayed

<b>Inhalation</b>	Prolonged contact with large amounts of dust may cause mechanical irritation.
<b>Skin Contact</b>	Skin contact with large amounts of dust may cause mechanical irritation.
<b>Eye Contact</b>	Contact may cause irritation due to mechanical abrasion.
<b>Ingestion</b>	Inhalation may aggravate respiratory problems.

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## 5. FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water fog, Foam, Dry chemical powder, Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media</b>	Not determined
<b>Fire Hazard:</b>	No unusual fire or explosion hazards noted.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment as required
<b>Protective Equipment</b>	For personal protection, see section 8 of the SDS.
<b>Environmental Precautions</b>	Prevent entry to sewers and public waters. Avoid release to the environment.
<b>Methods for Cleaning Up</b>	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

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## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Observe good industrial hygiene practices.

**Conditions for Safe Storage, Including any Incompatibilities** Store in closed packaging, cool, dry and well ventilated place. Store away from incompatible materials (see section 10 of the SDS).

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Control Parameters</b>	No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.
<b>Biological Limit Values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate Engineering Controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment</b>	
Eye/face protection	If dust generates, wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/ Physical State</b>	Solid
<b>Vapour Pressure (mm Hg at 20°C)</b>	Not available
<b>Vapour Density (Air = 1.0)</b>	Not available
<b>Bulk Density</b>	Not available
<b>Solubility in Water</b>	Not available
<b>Specific Gravity (gm/cc, Water = 1.0)</b>	Not available
<b>% Volatile by Volume</b>	Non-volatile
<b>Boiling Range (Deg. Celsius)</b>	Not available
<b>Melting Point</b>	Not available
<b>Coefficient of Water/Oil Distribution</b>	Not available
<b>pH</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid Incompatible Materials:</b>	None Known.
<b>Hazardous Decomposition Products:</b>	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Not classified
<b>LD50 and LC50 Data:</b>	Not available
<b>Skin Corrosion/Irritation:</b>	No adverse effects due to inhalation are expected.
<b>Serious Eye Damage/Irritation:</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or Skin Sensitization:</b>	Not classified
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Teratogenicity:</b>	Not available
<b>Carcinogenicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Not classified
<b>Reproductive Toxicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure):</b>	Not classified
<b>Aspiration Hazard:</b>	Not classified

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## 13. DISPOSAL CONSIDERATIONS

<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous wastecode</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Hazardous wastecode</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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## 14. TRANSPORT INFORMATION

<b>In Accordance with DOT</b>	Not regulated for transport
<b>In Accordance with IMDG</b>	Not regulated for transport
<b>In Accordance with IATA</b>	Not regulated for transport
<b>In Accordance with TDG</b>	Not regulated for transport
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

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## 15. REGULATORY INFORMATION

US federal regulations	All components are listed on or exempted from the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Material" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed
<b>SARA 304 Emergency release notification</b>	Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not listed

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)** Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

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## 16. OTHER INFORMATION

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Nutrition and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: 3

Revision date: June 25, 2021