



**SAFETY DATA SHEET**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Nous Holdings Inc  
535 John Ross Ct  
Pelzer, SC 29669**

I. PHYSICAL DATA

**PRODUCT NAME:** LUMI  
**CHEMICAL NAME:** Soil Treatment  
**CHEMICAL FAMILY:** Bird Repellent  
**FORMULA:** Trade Secret

**INFORMATION PHONE:** + 1 864 705 3653  
**EMERGENCY PHONE:** + 1 864 705 3653

II. HAZARDOUS IDENTIFICATION

**NFPA RATING (SCALE 0-4):** HEALTH=0 FLAMMABILITY = 0 REACTIVITY= 0

**EMERGENCY OVERVIEW:** Do not ingest. Do not inhale dust. Use adequate ventilation and wash after handling.

**GHS CLASSIFICATION:**

**Health**

Acute Toxicity: Cat. 5  
Eye Irritation: Cat. 2B  
Skin Irritation: N/A

**Environmental**

Acute Aquatic Toxicity: Not established  
Chronic Aquatic Toxicity: Not established

**GHS LABEL ELEMENTS:**

**Symbol(s)**



**Signal Word**

Caution

**Hazard Statements**

Not harmful if swallowed in small quantities. May cause mild eye and/or skin irritation.

**Precautionary Statements**

Wear protective gloves/protective clothing/eye protection/face protection IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or you feel unwell: Call a doctor/physician.

**III. COMPOSITION/ INFORMATION ON INGREDIENTS****COMPONENT:** Trade Secret**CAS NUMBER:**

Bacillus Mucilaginosus	N/A	51,900,000 cfu/g
Bacillus Subtilis	N/A	68,000,000 cfu/g
Pseudomonas Fluorescens	N/A	910,000,000 cfu/g
Azobacter Chroococcum	N/A	500,000,000 cfu/g
Paenibacillus Polymyxa	N/A	1,875,000,000 cfu/g
Mentha Spicata Powder	84696-51-5	20.5%

**IV. FIRST AID MEASURES****EYE CONTACT:** Wash eyes with water until powder residue is removed. If irritation persists, get medical attention.**SKIN CONTACT:** Wash affected area with soap and water until powder residue is removed.**INHALATION:** Remove exposed person to fresh air.**INGESTION:** Do not induce vomiting. Drink plenty of water.**V. FIRE FIGHTING MEASURES****EXTINGUISHING****MEDIA:** None required.**SPECIAL FIRE FIGHTING****PROCEDURES:** Avoid breathing vapors or dusts. Use self-contained breathing apparatus with full face piece and protective clothing.**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:**

None known.

## VI. ACCIDENTAL RELEASE MEASURES

**IF MATERIAL IS RELEASED OR SPILLED:** Contain spill and transfer to suitable containers.

Stop leak if you can do it without risk.

**Small Spills:** Sweep and dispose of in appropriate trash receptacle.

**Large Spills:** Sweep and dispose of in appropriate trash receptacle.

## VII. HANDLING AND STORAGE

**STORAGE:** Observe all federal, state and local regulations when storing or disposing of this substance. Keep away from incompatible substances.

Use good engineering practices to establish good ventilation. Avoid contact with skin, eyes and clothing. Wear suitable protective equipment to protect from contact. Wash skin thoroughly after handling. Store in closed containers away from extreme heat, sparks, or open flames. Avoid freezing.

## VIII. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

**SKIN PROTECTION:** Wear appropriate protective gloves to prevent direct contact.

**EYE PROTECTION:** Wear safety goggles to prevent eye contact with substance.

**OTHER PROTECTIVE EQUIPMENT:** Impervious apron if needed to avoid prolonged or repeated skin contact.

**ENGINEERING CONTROLS:** Good general ventilation and/or local exhaust ventilation at the point of generation is recommended.

### PERSONAL PROTECTIVE EQUIPMENT (Pictograms):



## IX. PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** N/A Powder Form

**VAPOR PRESSURE:** Unknown

**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** < 1  
**SPECIFIC GRAVITY:** N/A Not a liquid  
**PERCENT VOLATILE TESTED PH:** N/A  
6.5  
**APPEARANCE:** Gray Powder  
**ODOR:** Slight Earthy Odor  
**VAPOR DENSITY:** >1  
**FLASH POINT:** Unknown  
**FLAMMABLE LIMITS:** N/A      **LOWER:** N/A      **UPPER:** N/A

X. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal temperatures and pressures  
**CONDITIONS TO AVOID:** N/A  
**INCOMPATIBILITY:** None known  
**if**  
**HAZARDOUS:** None known  
**POLYMERIZATION:** Will not occur

XI. TOXICOLOGY INFORMATION

**EYE IRRITATION:** Information not available.  
**SKIN IRRITATION:** Information not available.  
**INGESTION:** Information not available.  
**CHRONIC:** Induce vomiting and seek medical attention.

XII. ECOLOGICAL INFORMATION

No data available.

XIII. DISPOSAL INFORMATION

**WASTE DISPOSAL:** Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state and local regulations.

XIV. TRANSPORTATION INFORMATION

Non-Hazardous Substance

XV. REGULATORY INFORMATION

Information not available.

XVI. OTHER INFORMATION

**Classification Standards:**

**HEALTH HAZARD**

4-Deadly  
 3- Extreme Danger  
 2- Hazardous  
 1-Slightly Hazardous  
 0-Normal Material

**NFPA  
 FIRE HAZARD**

Flash Points  
 4-Below 73°F  
 3-Below 100°F  
 2-Above 100°F, Not exceeding 200°F  
 1-Above 200°F  
 0-Will not burn

**REACTIVITY**





4-May detonate  
 3-Shock and heat may detonate  
 2-Violent chemical change  
 1-Unstable if heated  
 0-Stable

**Table 3.8 Acute Toxicity**

Acute toxicity	Cat. 1	Cat. 2	Cat. 3	Cat. 4	Category 5
Oral (mg/kg)	≤ 5	> 5 ≤ 50	> 50 ≤ 300	> 300 ≤ 2000	Criteria: <ul style="list-style-type: none"> <li>▪ Anticipated oral LD50 between 2000 and 5000 mg/kg;</li> <li>▪ Indication of significant effect in humans;*</li> <li>▪ Any mortality at class 4;*</li> <li>▪ Significant clinical signs at class 4;*</li> <li>▪ Indications from other studies.*</li> </ul> *If assignment to more hazardous class is not warranted.
Dermal (mg/kg)	≤ 50	> 50 ≤ 200	> 200 ≤ 1000	> 1000 ≤ 2000	
Gases (ppm)	≤ 100	> 100 ≤ 500	> 500 ≤ 2500	> 2500 ≤ 5000	
Vapors (mg/l)	≤ 0.5	> 0.5 ≤ 2.0	> 2.0 ≤ 10	> 10 ≤ 20	
Dust & mists (mg/l)	≤ 0.05	> 0.05 ≤ 0.5	> 0.5 ≤ 1.0	> 1.0 ≤ 5	

**Figure 4.11**

<b>ACUTE ORAL TOXICITY - Annex 1</b>					
	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>	<b>Category 4</b>	<b>Category 5</b>
LD <sub>50</sub>	£ 5 mg/kg	> 5 < 50 mg/kg	<sup>3</sup> 50 < 300 mg/kg	<sup>3</sup> 300 < 2000 mg/kg	<sup>3</sup> 2000 < 5000 mg/kg

Pictogram					No symbol
Signal word	Danger	Danger	Danger	Warning	Warning
Hazard statement	Fatal if swallowed	Fatal if swallowed	Toxic if swallowed	Harmful if swallowed	May be harmful if swallowed

**Table 3.9 Skin Corrosion/Irritation**

<b>Skin Corrosion Category 1</b>			<b>Skin Irritation Category 2</b>	<b>Mild Skin Irritation Category 3</b>
Destruction of dermal tissue: visible necrosis in at least one animal			Reversible adverse effects in dermal tissue  Draize score: $\geq 2.3 < 4.0$ or persistent inflammation	Reversible adverse effects in dermal tissue  Draize score: $\geq 1.5 < 2.3$
Subcategory 1A Exposure < 3 min. Observation < 1hr,	Subcategory 1B Exposure < 1hr. Observation < 14 days	Subcategory 1C Exposure < 4 hrs. Observation < 14 days		

**Table 3.10 Eye Effects**

<b>Category 1 Serious eye damage</b>	<b>Category 2 Eye Irritation</b>	
Irreversible damage 21 days after exposure  Draize score: Corneal opacity $\geq 3$ Iritis $> 1.5$	Reversible adverse effects on cornea, iris, conjunctiva  Draize score: Corneal opacity $\geq 1$ Iritis $> 1$ Redness $\geq 2$ Chemosis $\geq 2$	
	<b>Irritant</b> Subcategory 2A Reversible in 21 days	<b>Mild Irritant</b> Subcategory 2B Reversible in 7 days

Figure 4.9

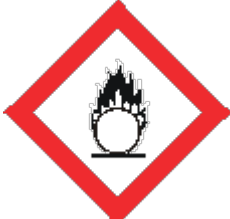






















GHS Pictograms and Hazard Classes		
		
<ul style="list-style-type: none"> <li>▪ Oxidizers</li> </ul>	<ul style="list-style-type: none"> <li>▪ Flammables</li> <li>▪ Self Reactives</li> <li>▪ Pyrophorics</li> <li>▪ Self-Heating</li> <li>▪ Emits Flammable Gas</li> <li>▪ Organic Peroxides</li> </ul>	<ul style="list-style-type: none"> <li>▪ Explosives</li> <li>▪ Self Reactives</li> <li>▪ Organic Peroxides</li> </ul>
		
<ul style="list-style-type: none"> <li>▪ Acute toxicity (severe)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Corrosives</li> </ul>	<ul style="list-style-type: none"> <li>▪ Gases Under Pressure</li> </ul>
		
<ul style="list-style-type: none"> <li>▪ Carcinogen</li> <li>▪ Respiratory Sensitizer</li> <li>▪ Reproductive Toxicity</li> <li>▪ Target Organ Toxicity</li> <li>▪ Mutagenicity</li> <li>▪ Aspiration Toxicity</li> </ul>	<ul style="list-style-type: none"> <li>▪ Environmental Toxicity</li> </ul>	<ul style="list-style-type: none"> <li>▪ Irritant</li> <li>▪ Dermal Sensitizer</li> <li>▪ Acute toxicity (harmful)</li> <li>▪ Narcotic Effects</li> <li>▪ Respiratory Tract Irritation</li> </ul>

Figure 4.10

Transport "Pictograms"		
		
Flammable Liquid Flammable Gas Flammable Aerosol	Flammable solid Self- Reactive Substances	Pyrophorics (Spontaneously Combustible) Self- Heating Substances
		
Substances, which in contact with water, emit flammable gases (Dangerous When Wet)	Oxidizing Gases Oxidizing Liquids Oxidizing Solids	Explosive Divisions 1.1, 1.2, 1.3
		
Explosive Division 1.4	Explosive Division 1.5	Explosive Division 1.6
		
Compressed Gases	Acute Toxicity (Poison): Oral, Dermal, Inhalation	Corrosive
		
Marine Pollutant	Organic Peroxides	

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