



## MSDS - Nutralime Gr (Dolomitic)

Issued February 2005

### Section 1.                      Product Information

**Product Name:** Nutralime Granular  
**Chemical Family:** Alkaline Earth Hydroxide  
**Chemical Formula:** Complex Mixture:  $\text{CaMg(OH)}_4$  and  $\text{Ca(OH)}_2\text{MgO}$   
**Molecular Weight:**  $\text{CaMg(OH)}_4 = 132.41$ ,  $\text{Ca(OH)}_2\text{MgO} = 114.40$   
**Material Use:** Used in the agricultural, lawn and garden industries.

Distributed by Pestell Minerals & Ingredients, New Hamburg, ON Canada

24 Hour Emergency Telephone (Canutec): 613-996-6666

### Section 2.                      Hazardous Ingredients

Components	Typical Wt. %	Exposure Limits	
		OSHA PEL	ACGIH TLV
N/A	N/A	N/A	N/A

Limestone ( $\text{CaCO}_3$ ,  $\text{MgCO}_3$ ) is not listed on the NTP, IARC, OSHA lists of carcinogens, but crystalline silica, a component of this product, is listed. IARC has determined that there is sufficient evidence of carcinogenicity to experimental animals exposed to crystalline silica and limited evidence for carcinogenicity to humans. "Limited evidence" means that a casual relationship is possible, however, other explanations such as chance, bias or confounding factors cannot adequately be excluded.

### Section 3.                      Physical and Chemical Properties

**Physical State:** Solid  
**Odor and Appearance:** Brown granule. Slightly earthy odor  
**Odor Threshold:** Not applicable  
**Specific Gravity:** 2.7 - 2.9  
**Vapor Pressure:** Not applicable  
**Vapor Density:** Not applicable  
**Evaporation Rate:** Not applicable  
**Boiling Point:** 1700°F  
**Freezing Point:** Not available  
**Solubility in Water (20°C):** Medium  
**Volatiles (% by volume):** Not applicable

## **Section 4.**                    **Fire and Explosion Hazard**

**Product is non flammable**

<b>Extinguishing Media:</b>	<b>N/A</b>
<b>Special Fire Fighting Procedures:</b>	<b>Not applicable</b>
<b>Flash Point and Method:</b>	<b>Not applicable</b>
<b>Upper/Lower Flammable Limit:</b>	<b>Not applicable</b>
<b>Auto Ignition Temperature:</b>	<b>Not applicable</b>
<b>TDG Flammability Classification:</b>	<b>Non-flammable</b>
<b>Hazardous Combustion Products:</b>	<b>None</b>
<b>Dangerous Combustion Products:</b>	<b>None</b>

## **Section 5.**                    **Reactivity Data**

**Product is stable**

## **Section 6.**                    **Toxicological Information**

<b>Routes of Entry:</b>	<b>Skin, eye, acute inhalation, ingestion</b>
<b>Effects of Acute Exposure to Product</b>	
<b>Skin:</b>	<b>May cause irritation</b>
<b>Eyes:</b>	<b>May cause irritation</b>
<b>Inhalation:</b>	<b>If inhaled in form of dust, irritation of breathing passages, cough and sneezing</b>
<b>Ingestion:</b>	<b>Large doses may cause GI discomfort</b>

## **Section 7.**                    **Preventive Measures**

<b>Protective Gloves:</b>	<b>Optional</b>
<b>Respiratory:</b>	<b>Use NIOSH approved filtering anti-dust mask, use local exhaust ventilation if needed.</b>
<b>Eyes:</b>	<b>Tight fitting goggles with side shields. Do not wear contact lenses when handling this chemical.</b>
<b>Other:</b>	<b>Evaluate degree of exposure and use PPE if necessary. After handling lime, employees must shower. If exposed daily, use oil, Vaseline, silicone based cream, etc. to protect exposed skin, particularly neck, face and wrists.</b>
<b>Leak and Spill Procedures:</b>	<b>Sweep up and remove</b>
<b>Waste Disposal:</b>	<b>Scatter on agricultural or turf acreage in accordance with Federal, Provincial or local regulations.</b>
<b>Handling Procedures and Equipment:</b>	<b>Avoid skin and eye contact. Minimize dust generation. Wear protective goggles and in case of insufficient ventilation, use anti-dust mask. An eye wash station and safety shower should be readily available where this material or its water dispersions are used. Contact lenses should not be worn when working with this chemical.</b>
<b>Storage Requirements:</b>	<b>Keep product dry</b>

## **Section 8.**

## **First Aid Measures**

<b>Skin:</b>	<b>Flush skin with water</b>
<b>Eyes:</b>	<b>Irrigate eyes with water</b>
<b>Inhalation:</b>	<b>Remove to fresh air</b>
<b>Ingestion:</b>	<b>Consult a physician</b>

### **Toxic Substances Control Act (TSCA)**

#### **Disclaimer**

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