

# The insider's information here is in the chemistry:

<b>Chinese Nepheline Syenite In Bulk</b>	<b>Oregon Nepheline Syenite In Bulk</b>
SiO <sub>2</sub> = from 60% to 64%	SiO <sub>2</sub> = from 58% to 59.62%
Al <sub>2</sub> O <sub>3</sub> = from 17.4% to 19.3%	Al <sub>2</sub> O <sub>3</sub> = from 18.25% to 19.35%
CaO = from 0.9% to 1.3%	CaO = from 0.85% to 1.3%
MgO = from 0.2% to 0.4%	MgO = from 0.2% to 0.3%
LOI = from 0.5 to 0.6	LOI = from 0.31 to 4.61
K <sub>2</sub> O = from 5.4% to 7%	K <sub>2</sub> O = from 4%
Na <sub>2</sub> O = from 6.1% to 7%	Na <sub>2</sub> O = from 12.52%

**\$350 per -325  
face powder ton,  
Freight on Board, China**

**\$100 per in-place  
ton of rock,  
Lincoln County, Oregon**

Chemical Component	Actual Monthly Results	Typical Range*	
		Lower	Upper
Silicon Dioxide (SiO <sub>2</sub> )	58.7	57.9	60.5
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	19.1	17.6	20.5
Potassium Oxide (K <sub>2</sub> O)	5.9	5.4	6.7
Sodium Oxide (Na <sub>2</sub> O)	7.7	5.7	10.4
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	2.9	2.1	4.0
Calcium Oxide (CaO)	1.9	1.1	2.0
Titanium Dioxide (TiO <sub>2</sub> )	1.0	0.3	1.6
Magnesium Oxide (MgO)	1.2	0.0	1.8

**The other commercial size Nepheline Syenite in the US is 3M. As they make good use of their material in a number of innovative products, it is difficult to calculate their raw tonnage cost.**