



## PRODUCT SPECIFICATION

<b>Product:</b>	UREA
<b>CAS No:</b>	57-13-6
<b>Grade:</b>	Industrial
<b>Physical Form:</b>	Solid Prills
<b>Other names:</b>	Carbamide
<b>Chemical Formula:</b>	CO(NH <sub>2</sub> ) <sub>2</sub>
<b>Source:</b>	Montreal, Quebec Canada

<u>Chemical Analysis</u>	<u>Specification</u>	<u>Typical Analysis</u>
Purity as CO (NH <sub>2</sub> ) <sub>2</sub> %	99.0	99.0
Total Nitrogen, %	46.0 Min	46.4
Moisture, % H <sub>2</sub> O	0.3 Max	0.15
Biuret, %	1.2 Max	1.0
Alkalinity as NH <sub>3</sub> , ppm	-	<120
Colour A.P.H.A Units	10 max	3
Turbidity as SiO <sub>2</sub> , ppm	20 max	15
pH 10% Solution	-	7.3- 9.5
Formaldehyde, %	-	0.2

### Physical Properties: (approx.)

Bulk Density	750 kg/ m <sup>3</sup> (46 lb/ ft <sup>3</sup> )
Melting Point	132°C (270°F)
Particle Size (average)	1.8 mm
Angle of Repose	34°