

## PRODUCT DATA SHEET

<b>SODIUM NITRATE INDUSTRIAL SOLAR GRADE NPK 16 0 0</b>		<b>LATEST REVISION DATE 24.September 2020</b>	<b>VERSION 1</b>
<b>1. PRODUCT IDENTIFICATION</b>			
Product name	Sodium Nitrate 16 0 0		
Chemical Formula	NaNO <sub>3</sub>		
Molecular Weight	84.995		
<b>2. PHYSICAL PROPERTIES</b>			
Physical state, form and colour	White hygroscopic crystals / prills		
Bulk density kg /m <sup>3</sup>	Crystals 1084		
Melting point	306 °C (579.15 K)		
Solubility in water	91.2 kg/100 kg in water at 25 °C (298.15 K)		
<b>3. CHEMICAL PROPERTIES</b>			
<b>Guaranteed</b>	<b>Crystals</b>		
Sodium Nitrate (as NaNO <sub>3</sub> )*	99.5 % min		
Chlorine (Cl)	0.10 % max		
<b>Typical</b>			
Chlorine (Cl)	0.08 % max		
Sulphates (as SO <sub>4</sub> )	0.10 % max		
Carbonates (as CO <sub>3</sub> )	0.10 % max		
Hydroxil (OH)	0.05 % max		
Perchlorate (as ClO <sub>4</sub> )	0.01 % max		
Nitrite (as NO <sub>2</sub> )	0.02 % max		
Magnesium (Mg)	0.02 % max		
Moisture (105 °C) (as H <sub>2</sub> O) * Purity corresponds to N content expressed as NaNO <sub>3</sub> . Moisture is measured at ACF production site	0.10 % max		
<b>4. TYPICAL SIZE DISTRIBUTION</b>			
<b>Crystals</b>			
mm	U.S. mesh	% on sieve	
1.000	+16	0.79	
0.500	+32	11.84	
0.354	+42	26.97	
0.250	+60	41.61	
0.177	+80	50.70	
0.125	+115	97.64	
0.088	+170	99.26	

## 5. PACKAGING

25kg net in PE bag. Top open mouth. Thermo fused closure at the top

25 kg net in PP outer bag and PE inner bag. Top open mouth

50kg net in PP outer bag and PE inner bag. Top open mouth. Only special customer request

1000kg net in maxi bags. Outer bag: woven PP and inner bag: PE. Only special customer request

## 6. HANDLING AND STORAGE

Keep in a tightly closed container. Store in a cool, dry, ventilated and low fire risk area, away from sources of heat or ignition.

Protect the container against physical damage. Store separately from combustible and reducing materials

## 7. TRANSPORT INFORMATION

Description	Sodium Nitrate
CAS N°	7631-99-4
UN identification number	UN 1498
Hazard class or Division	5.1
PG (Packing Group, UN)	III

## 8. ANTI CAKING AGENT

Galoryl - Rate is 2.5kg per Metric Tonne

ACA is added as standard and can be supplied without on request.