

PRODUCT DATA SHEET			
Product Identification	Latest Revision Date	Version	Page
Sodium Nitrate Agriculture Grade NPK 16 0 0	15 th March 2017	3	1/1
1. PRODUCT IDENTIFICATION			
Product name	:	Sodium Nitrate 16 0 0	
Chemical Formula	:	NaNO ₃	
Molecular Weight	:	84,995	
2. PHYSICAL PROPERTIES			
Physical state, form and colour	:	White and hygroscopic crystals	
Bulk density	:	1084 kg/m ³	
Melting point	:	306 °C (579,15 K)	
Solubility in water	:	91,2 kg/100 kg water at 25 °C (298,15 K)	
3. CHEMICAL PROPERTIES			
Guaranteed			
NPK Index	:	16 0 0	
Chloride (as Cl)	:	0,6	% max
Typical			
Nitrogen (as N)	:	16,0	%
Sodium (as Na)	:	26 - 27	%
Chloride (as Cl)	:	0,46	%
Magnesium (as MgO)	:	0,28	%
Sulphate (as S)	:	0,17	%
Humidity (as H ₂ O)	:	0,10	%
Water insolubles	:	0,03	%
4. TYPICAL SIZE DISTRIBUTION			
Crystals			
mm	U.S. mesh	% on sieve	
1,000	✓ +16	2,5	
0,500	✓ +32	14,9	
0,354	✓ +42	33,4	
0,250	✓ +60	65,0	
0,177	✓ +80	86,9	
0,125	✓ +115	95,9	
0,088	✓ +170	99,5	
5. PACKAGING			
25 kg net in PE bag. Top open mouth. Thermo fised closure at the top			
25 kg net in PP outer bag and PE inner bag. Top open mouth			
50 kg net in PP outer bag and PE inner bag. Top open mouth. Only special customer request			
1000 kg 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	