

PRODUCT DATA SHEET

POTASSIUM NITRATE AGRICULTURE GRADE NPK 13 0 46		LATEST REVISION DATE 17. August 2020	VERSION 6
1. PRODUCT IDENTIFICATION			
Product name	Potassium Nitrate + Phosphate 13 3 43		
Chemical Formula Molecular Weight	Mixture of $KNO_3 + (NH_4)_2PO_4$ 101.60		
2. PHYSICAL PROPERTIES			
Physical state, form and colour	White hygroscopic crystals		
Bulk density kg /m ³	Crystals 1256		
EC (typical)	1.3mS/cm (aqueous solution 1 kg /m ³ at 25 °C)		
pH (typical)	3.9 (aqueous solution 10% m/v at 25 °C)		
Solubility in water	31 kg/100 kg in water at 20 °C (293.15 K)		
3. CHEMICAL PROPERTIES			
Guaranteed	Crystals		
Nitrogen soluble in water (as N)	13.0 %, min		
Potassium soluble in water (as K ₂ O)	43.0 % min		
Chloride (as Cl)	0.6 % max		
Typical			
Nitrogen soluble in water (as N)	13.5 %		
Potassium soluble in water (as K ₂ O)	46 %		
Sodium (as Na)	0.2 %		
Magnesium (as MgO)	0.2 %		
Calcium (as Ca)	<0.1%		
Perchlorate (as ClO ₄) Sulphate (as S)	<0.01%		
Sulphate (as S)	<0.2%		
Water insolubles	<0.05%		
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

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	Potassium Nitrate
CAS N°	7757-79-1
UN identification number	UN 1486
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.