

MINERAL FERTILIZERS

PRODUCT CATALOGUE
2017

SYNTHESIS OF QUALITY AND SUCCESS

Gazprom neftekhim Salavat group of companies is a vertically integrated complex of oil refining and petrochemical production plants. Today, it embraces several business sectors: oil refining, petrochemistry and mineral fertilizers production.

The Company carries on its business activity as part of Gazprom, the largest energy corporate group of the world, the strategic objectives of which are leadership in the energy market, activities diversification, logistic endurance. In order to increase the business efficiency, Gazprom neftekhim Salavat allocates considerable funds for the revamp of the existing plants and construction of new production facilities.

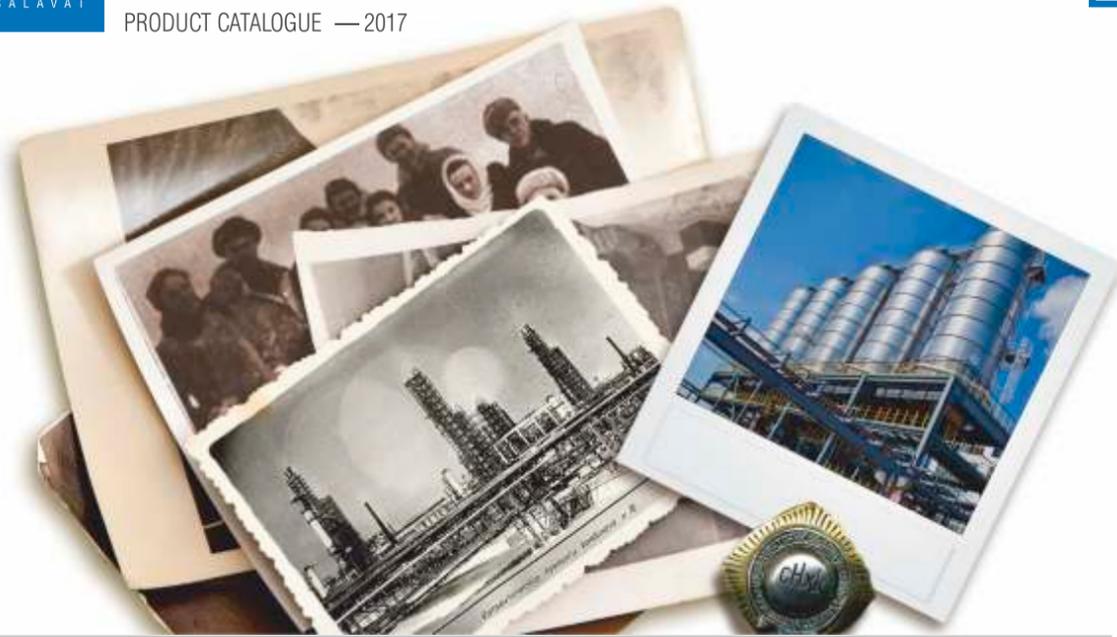
The main trends of the Company's investment development are renovation and upgrade of the production plants capacities, creation of a reliable system of environment-oriented facilities as well as an effective management information system.

Gazprom neftekhim Salavat produces over 80 items: gasolines, diesel fuels, fuel oils, bitumen, ethylene, benzene, styrene, ethylbenzene, butyl alcohols, polyethylene, polystyrenes etc. Mineral fertilizers production sector is represented by ammonia, urea, and ammonium nitrate.

Products of the Company have stable demand in both Russian and global markets.

According to Expert RA independent rating agency, Gazprom neftekhim Salavat is among the three largest petrochemical producers of Russia.

The company is certified according to international standards of ISO 9001:2008 quality management system and ISO 14001:2004 environment management system.



HISTORY OF DEVELOPMENT

- 1960s – The Complex grew into a highly developing petrochemical and refining center. The history of ammonia and urea production units which afterwards established the Mineral Fertilizer Plant dates back to that period.
- 1962 – The capacity of ammonia and urea production plants increased.
- 1971 – The revamp of urea and ammonia plants turned the Company into the largest supplier of mineral fertilizers in the country and it became the Company's pride. Upon the results of the 9th five-year period the enterprise produced over 1 million tpa of fertilizers (twice as much as in 1970).
- 1988 – Construction of a new modern large-scale ammonia production unit AM-76 (workshop No. 54) was completed in Salavat.
- 2000 – Since the early 2000, activities oriented to expand the capacity, decrease the energy consumption and improve the quality of products started to be implemented in ammonia (AM-76) and urea plants in Salavat.
- 2010 – Construction of a new urea granulation unit with a 1400 t/d capacity started.
- 2011 – The Company acquired a new name, JSC "Gazprom neftekhim Salavat.
- 2012 – Production of granular urea started.
- 2016 – The Company was reorganized in the form of transformation into LLC «Gazprom neftekhim Salavat».



COMPETITIVE ADVANTAGES

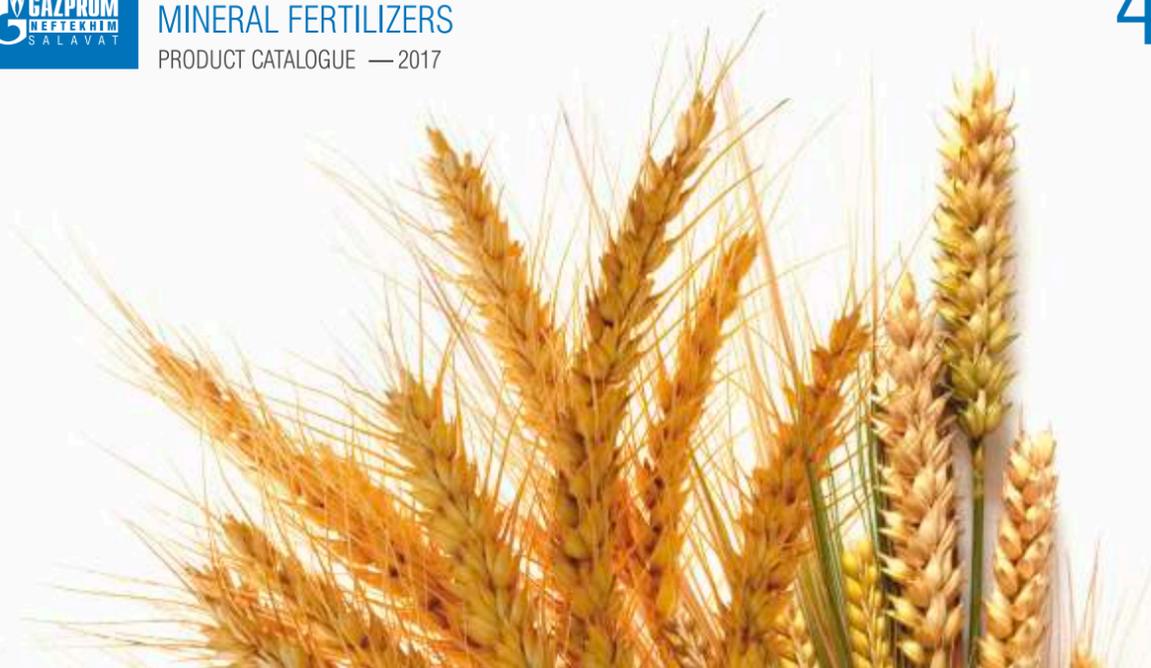
HIGH QUALITY OF PRODUCTS, meeting the Russian and international standards;

QUALIFIED STAFF, advancing an efficient implementation of progressive methods and technologies on all the levels from the product output to its sales;

USE OF UP-TO-DATE INFORMATION TECHNOLOGY IN COMPANY MANAGEMENT, increasing the efficiency of corporate governance.

MARKET OUTLETS

The manufactured products are sold all over the Russian Federation. The main export destinations are the countries of Central Asia, Western and Eastern Europe, Latin America as well as countries of the near abroad.



AMMONIA ANHYDROUS LIQUID NH₃

GOST 6221-90, Amendment No.1

APPLICATIONS

For nitric acid production, nitrogenation, as a cooling agent, for shielding atmospheres, as a feedstock for fertilizers, as a nitrogen fertilizer for agricultural use.

GUARANTEED SHELF LIFE: 1 year.
EXPIRY DATE: none.

PROPERTIES

property	value, grade B
Ammonia, wt %, min	99.6
Nitrogen, wt %, min	82
Water (Karl Fischer method), wt %, max	-
Water (evaporation residue), wt %	0.2–0.4
Oil concentration, wt, mg/dm ³ , max	8
Iron concentration, wt, mg/dm ³ , max	2

TRANSPORT

Pipelines and dedicated ammonia rail tank cars and tank trucks, steel cylinders, tankers.

PACKING

Steel cylinders with a capacity of 20–50 dm³.



UREA (NH₂)₂CO - carbon dioxide hydrazine carbamide

GOST 2081-2010

APPLICATIONS

All-purpose high-analysis water-soluble nitrogen fertilizer. All types of soil and crops; basal dressing, spring or supplementary fertilizing. Top dressing of vegetables and fruits, late fertilizing of wheat for higher protein content. As a feed additive in cattle production. Resistant to wash-out which is critical for irrigated cropping areas. Incorporated into the soil in a solid state or as a solution with other liquid nitrogen fertilizers. Widely used in the chemical industry in the synthesis of carbamide-aldehyde resins (including urea formaldehyde resins), in the production of fiberboards and in furniture production. Urea derivatives are efficient herbicides.

GUARANTEED SHELF LIFE: 6 months.
EXPIRY DATE: none.

PROPERTIES

property	value	
	grade A	grade B
Nitrogen, dry basis, wt %, min	46.2	46.2
Biuret, wt %, max	1.4	1.4
Free Ammonia, wt %, max		
– crystal urea	0.01	-
– granular urea	0.03	-
Water, wt %, max		
– hygroscopic	0.3	0.3
– total	0.6	0.6
Particle Size Distribution, wt %:		
– 1–4 mm, min	-	94
– less than 1 mm, max	-	5
– 6 mm sieve residue	-	negative
Static Strength, MPa (kg/cm ²), min		
or per 1 granule, N (kgf), min	-	1.2 (12)
	-	3 (0.3)
Friability, %, min	-	100

TRANSPORT

Road and rail transportation

PACKING

50 kg PP bags or in bulk.



AMMONIUM NITRATE / NH₄NO₃

GOST 2-2013, Amendment No.1

APPLICATIONS

High-analysis high-performance water-soluble granular nitrogen fertilizer. The most efficient nitrogen fertilizer. All types of soil and crops; basal dressing, spring or supplementary fertilizing. Efficient when combined with phosphates and potash fertilizers but when mixed right before incorporating into the soil. Used in industry as a raw material for explosives and for further application in the chemical, mining and construction industries.

GUARANTEED SHELF LIFE: 6 months.
EXPIRY DATE: none

PROPERTIES

property	value, grade B
Total Ammonia & Nitric Nitrogen content in terms of Nitrogen (N), dry basis, wt %, min	34.4
Water, wt %: Calcium & Magnesium Nitrates additives, %, max	0.3
Particle Size Distribution, wt %: – less than 1 mm, %, max – 1–4 mm, %, min – over 6 mm, %	3 95 0
Static Strength, MPa, min	8
Friability, %, min	100

TRANSPORT

Road and rail transportation

PACKING

Dedicated 800 kg big bag containers, 50 kg PP bags or in bulk.



CONTACTS

Aleksandr Gorin	Commercial Director Gazprom neftekhim Salavat	Reception: +7(3476) 39 17 72 (Russian) fax: +7(3476) 39 36 52
Sergei Gorin	Technical Director, Gas & Chemical Plant	Reception: +7(3476) 39 11 58 (Russian)
Stanislav Prokopenko	Head of Commercial Department	+7(3476) 39 58 50 (Russian)
	Commercial Department, Sales Division	+7(3476) 39 40 98 (Russian) +7(3476) 39 24 26 (Russian) +7(3476) 39 38 02 (Russian) +7(3476) 39 47 65 (Russian) fax: +7(3476) 39 23 44
	Marketing	+7(3476) 39 45 71 (Russian) fax: +7(3476) 39 21 04

Gazprom neftekhim Salavat

30 Molodogvardeitsev st., 453256, Salavat, Republic of Bashkortostan, Russia

E-mail: marketing@snos.ru, www.salavat-neftekhim.gazprom.com



MINERAL FERTILIZERS

	Pages
AMMONIA ANHYDROUS LIQUID	4
UREA	5
AMMONIUM NITRATE	6