



Joint Stock Company Kuchuksulphate

Since 1963



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Over the course of **60** year Kuchuksulphate has been the leading Russian producer of high-quality natural sodium sulphate.

When the company entered a world market it has promptly become a leader at a global level and made the Top 5 of the world producers of sodium sulphate.

**>7000000 TONS
PER
YEAR**

**PRODUCTION
OF SODIUM SULPHATE**

**Sodium Sulphate
produced by
Kuchuksulphate
is a natural,
ecologically clean,
excellent quality
product highly-
demanded in various
economic fields.**



Areas of use



Detergents production



Glass production



Pulp and paper production



Others



**Quality of the natural
product allows its using
in medicine and food
production.**



Mirabilite (mineral salt)

Mirabilite extracted from the brine of Lake Kuchuk is a raw material for the sodium sulphate production. Mirabilite does not contain impurities that ensures high basic product content.

The reserves of mineral salts of the Kuchuk deposit are counted on long-term development and satisfaction of the needs for sodium sulphate.

- monitoring and development of the Kuchuk salt deposit in cooperation with the well-known Russian research institutions
- environment protection
- preservation of the natural wealth for further generations



Mirabilite extraction is carried out by the geo-technological method that is the safest and the most rational one for the mineral salt deposit.



In summer the brine of Lake Kuchuk is pumped into the crystallizing pond. In autumn-winter period the brine is cooling down and mirabilite is crystallizing.



In spring sulphate-less brine is discharged from the crystallizing pond back to Lake Kuchuk. After that the mirabilite layer formed at the bottom of the pond is ready for gathering.



Once in 2 years the brine is pumped to the crystallizing pond. The volume of the brine pumped to crystallizing pond is 30 million tons.

Modern equipment allows producing high-quality products



Mirabilite layer is mined with bulldozers and excavators.



Mirabilite delivered by the narrow-gauge railway to the plant.

Vehicle park is being constantly updated, that helps to mine effectively and environmentally safely.



Sodium sulphate (reussin anhydrate)

Production of natural sodium sulphate is based on its physical and chemical properties

Production stages:

- mirabilite melting
- insoluble substances removal
- drying
- packaging

Sodium sulphate produced by Kuchuksulphate complies with all the Russian and international standards.



**To be globally competitive
Kuchulsulphate offers the product
satisfying highly demanding market
requirements in particle size,
whiteness and package.**

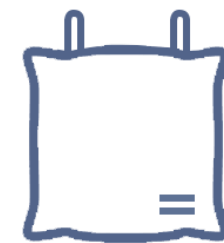




The product is packaged at the robotic packing line



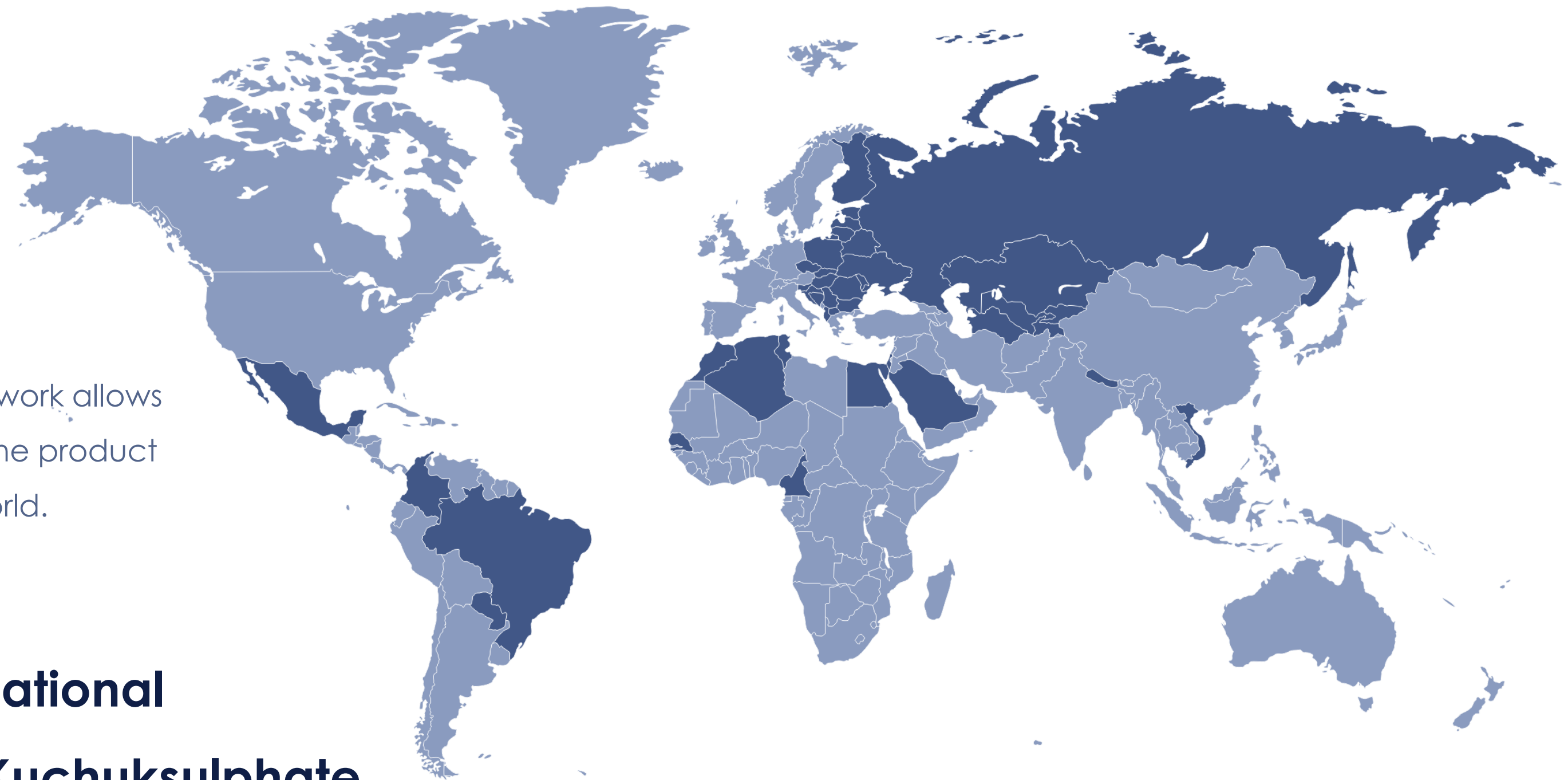
25kg and 50kg bags



from 1000kg to 2000 kg big bags

Well-developed logistic network allows Kuchuksulphate to deliver the product on time anywhere in the world.

The largest multinational companies trust Kuchuksulphate as a credible partner.



— Regions covered by Kuchuksulphate



JSC Kuchuksulphate

Reliable partner with unblemished reputation

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