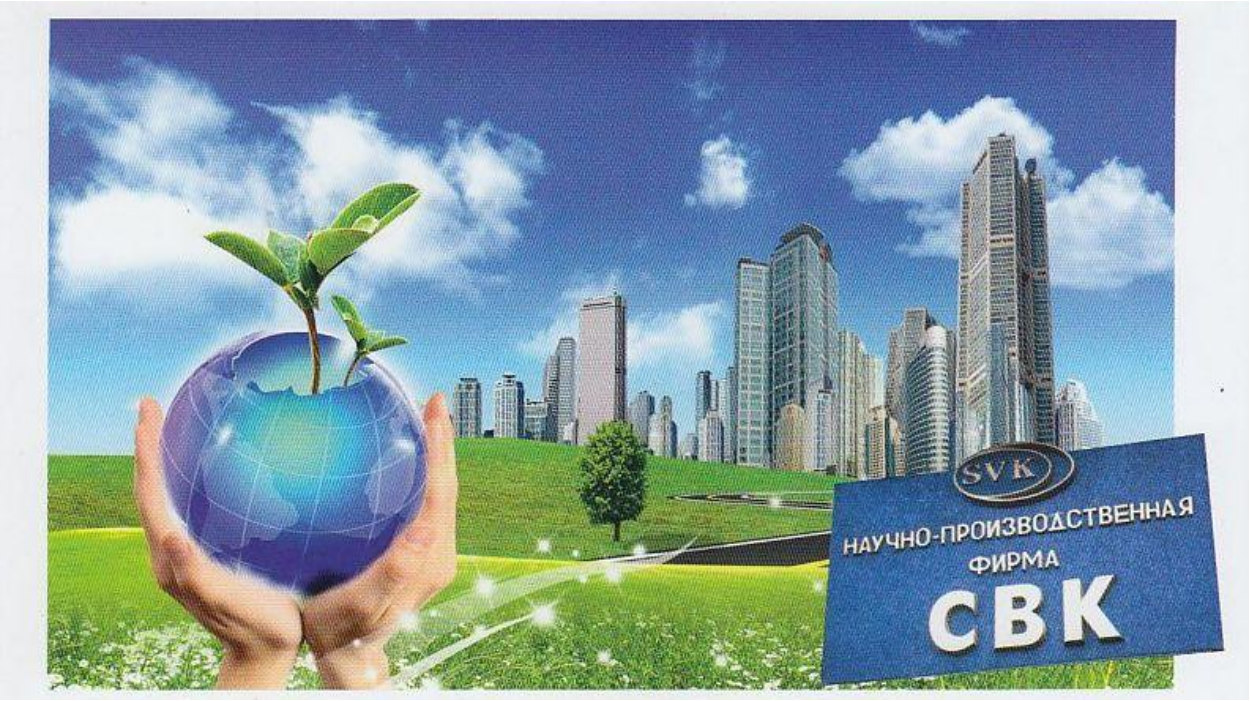


Private enterprise «Research and production company SVK» was founded in 1993.

The company develops dynamically and purposefully realizes the strategic direction - it develops and manufactures chemical products for industrial and domestic purposes with high consumer characteristics.

The company produces the following types of chemical products:

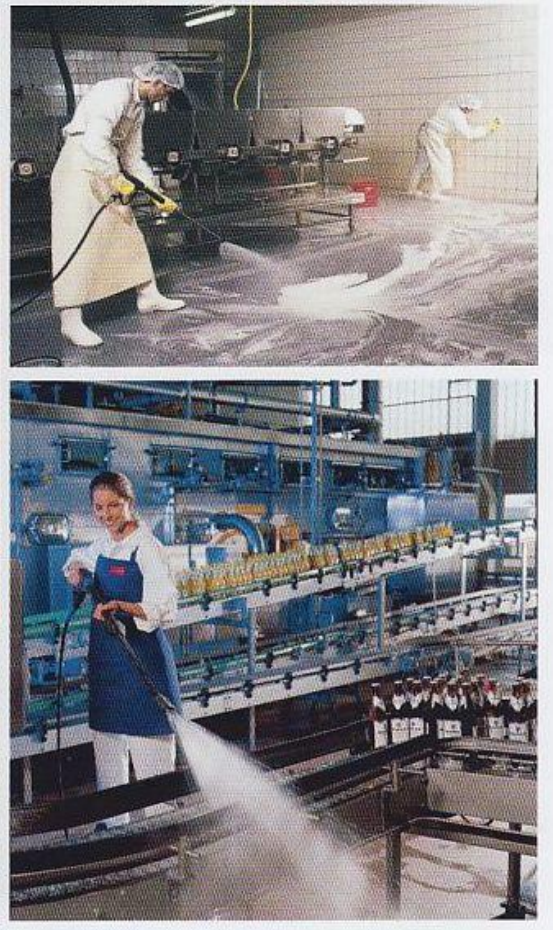
- chemicals for industrial use (substances for phosphating metal surfaces , cutting fluids, fluxes, lubricants for pipe rental and wire drawing, etc.) - for enterprises in the metallurgical, pipe, engineering and other industries;
- reagents for water preparation and water treatment;
- household chemicals and technical detergents.

The company has implemented an integrated system of product quality management, environmental safety and labor protection in accordance with the requirements of international standards of the ISO 9000 series. Today, clients of our company are more than 10000 enterprises and organizations throughout Ukraine, as well as a number of the largest enterprises of the near abroad.

We are pleased to offer you the high-quality chemical products necessary for your production processes.

We are not limited to the list of products indicated in the catalog and are constantly studying the possibilities of producing new chemical products that our customers need.

Many years of experience in the production of chemical reagents, an understanding of the state of affairs in various industries of Ukraine, the focus of the team of highly qualified chemical engineers on effectiveness, allow us to satisfy any requirements of the Customer and guarantee the high quality of our products.



Detergents for industrial and household use

Industrial detergents are used in various industries:

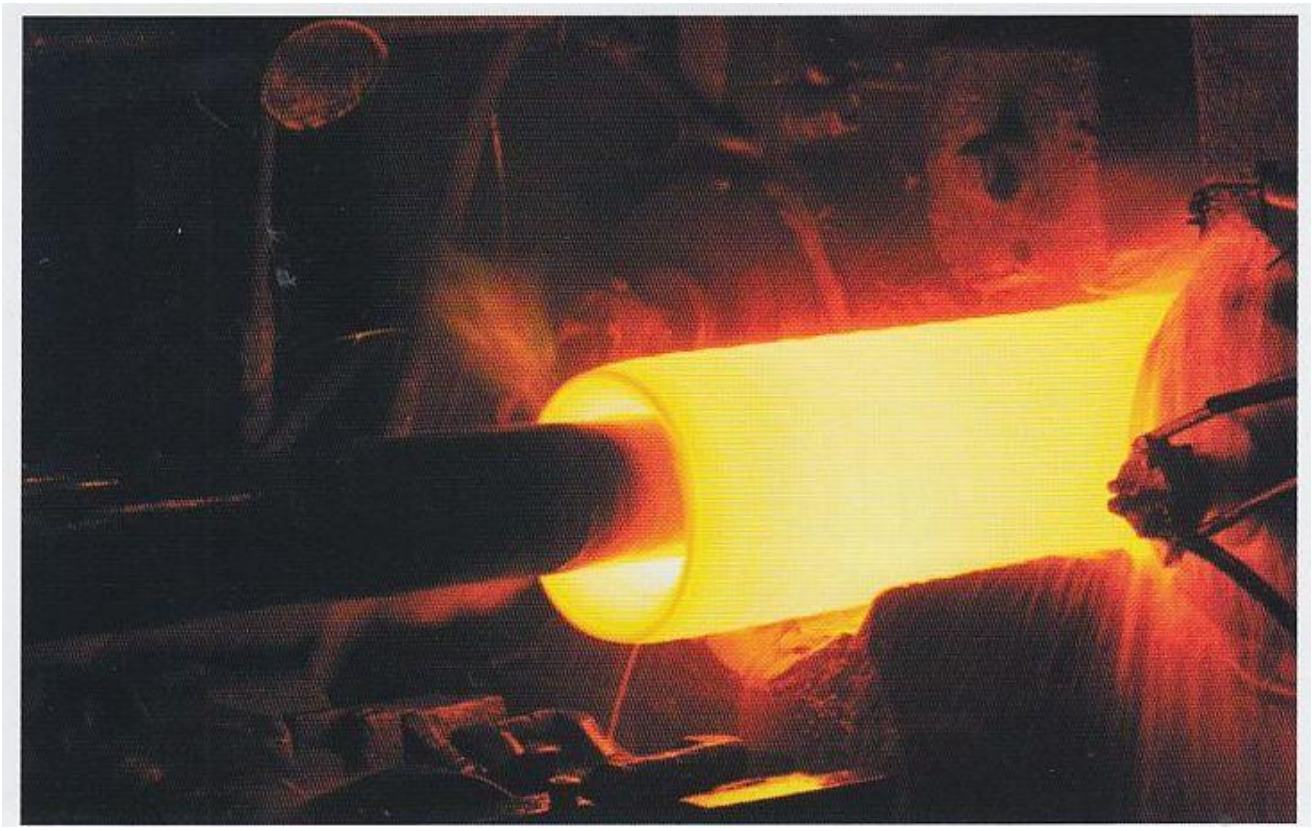
- **for the food industry** - quick and effective removal of various types of contaminants from production and technological equipment, work surfaces, equipment, pipelines, plumbing, industrial premises. The components of industrial detergents are biodegradable, that is, they completely decompose in wastewater and don't form harmful chemical compounds.

- **for heavy industry** - a comprehensive solution to the issues of cleaning metal (including non-ferrous), plastic, paint coatings from mineral oils, cutting fluids, fuel oil, bitumen, soot, atmospheric pollution, scale, rust, carbonate and calcareous deposits.

- **for transport** - a comprehensive solution to cleaning issues in repair depots (components and assemblies, degreasing surfaces before applying paint coatings), passenger and freight railcars, subway cars (external and internal washing), production and office buildings, buildings , heating equipment and heat supply systems.

All detergents are produced as concentrates!!!

The assortment of household chemicals includes detergents for washing dishes, kitchen and sanitary surfaces, cleaning windows and mirrors, washing hands and things. Means effectively remove any pollution.



Special lubricants for metallurgical processes

We have developed unique lubricants using advanced technology and the rich experience of our specialists.

High-temperature technological lubricants for hot rolling of pipes - used for rolling pipes of carbon and corrosion-resistant steel grades on continuous rolling mills, mills with sequential individual arrangement of rolling stands and automatic machines in the temperature range from 800 ^{0}C to 1200 ^{0}C.

Glass lubricants are used to reduce friction during pressing, and also to prevent metal from sticking to the tool, when pressing heat-resistant, stainless and other special steels.
Glass lubricant reduces the coefficient of friction by two to three times and, being a heat-insulating material, protects the workpiece well from heat loss during pressing.

Graphite lubricants - used for the production of hot-deformed seamless pipes and rolled products. These substances have high temperature resistance.

Lubricants for cold deformation of metals (lubricant for wire drawing) - designed for drawing and calibration of all types of steels at different speeds, with any method of preparing the surface of the wire rod for drawing.

Cutting fluids for metalworking

Cutting fluids – complex multicomponent compositions, the main task of which is to increase the wear resistance of tools that used in mechanical metalworking, and to achieve precision manufacturing of parts. These substances used in metal processing by cutting, extrusion, during rolling, stamping, injection molding, etc., and also find application in the manufacture of plastic and cermet products.

Cutting fluids are used in metal processing by cutting, extrusion, during rolling, stamping, injection molding, etc., and is also used in the manufacture of plastic and cermet products. The main purpose of this product is to lower the temperature in the cutting zone and at the same time reduce the wear of the cutting tool, increase productivity and ensure the required quality of the processed surface.

Cutting fluids are produced in three grades - oil, semi-synthetic (contains about 30% oil) and synthetic (does not contain oil) and used depending on the specifics of metal machining processes.

Products for corrosion protection

Products for corrosion protection - preservation compositions that create on the surface of the product a reliable film that protects the surface from oxidation and, thereby, protecting the product from corrosion.

By composition, conservation products are divided into the following groups:

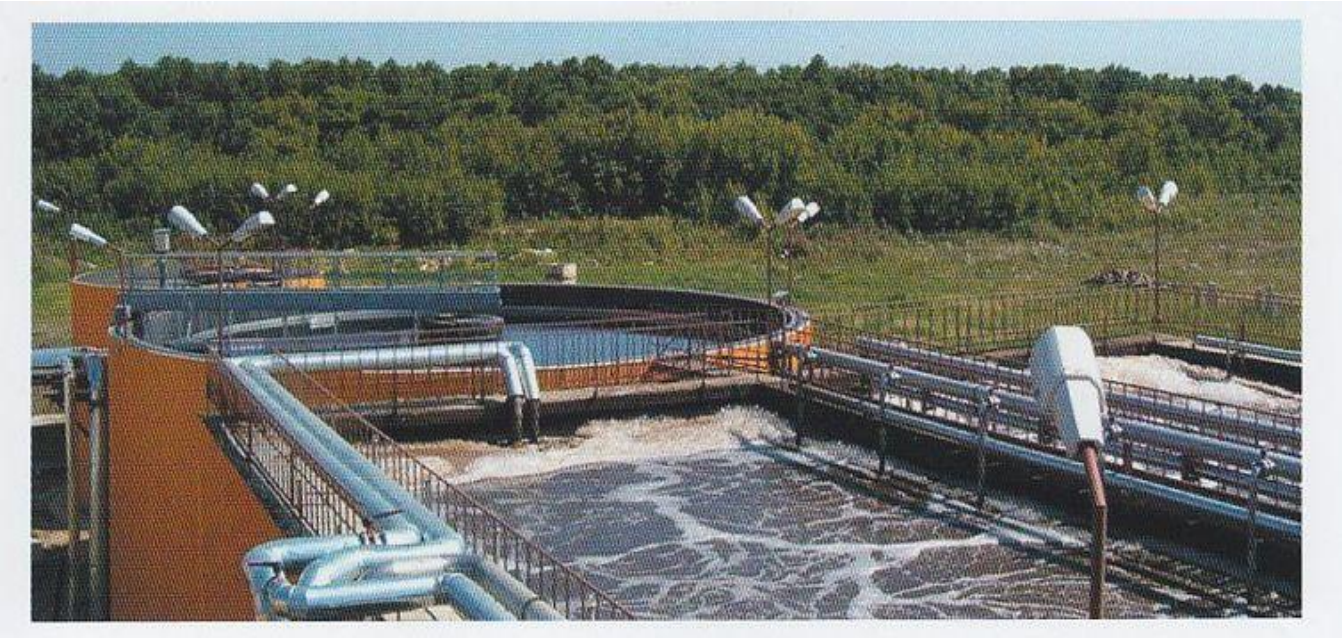
- water based products
- solvent based products
- preservation oils

When choosing a product, the following factors must be considered:

- type of formed protective film
- application method
- storage conditions of the product
- estimated shelf life

PRODUCTS for PHOSPHATING

PRODUCTS for PHOSPHATING a metal surface – substances that are used to phosphate metal surface before painting in order to improve the protective properties and increase the adhesion of paint coatings, as anti-corrosion coatings for temporary protection of parts (during storage), usually working in contact with oil, grease or exposed to relatively low corrosive effects of the environment, as well as anti-friction coatings, to reduce the coefficient of friction of working parts.

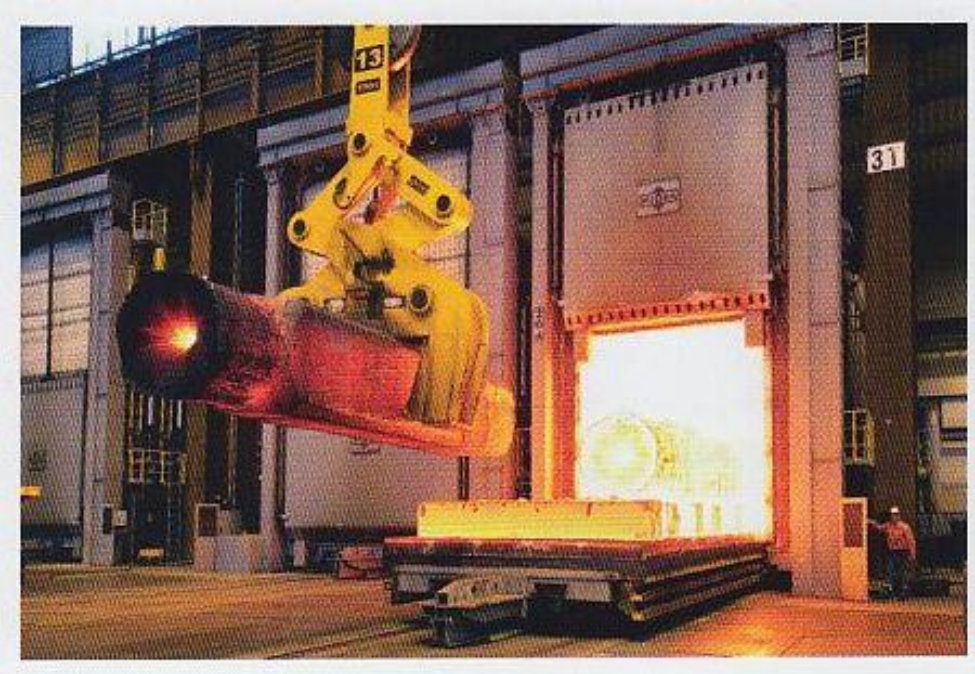


REAGENTS FOR WATER PREPARATION AND WATER TREATMENT

We offer a wide range of chemical products involved in the preparation and treatment of industrial and drinking water.

We produce coagulants:
- Aluminum-containing coagulants - are successfully used for the preparation of drinking water, the treatment of surface and groundwater, also for the treatment of wastewater and recycled industrial water from metallurgical plants, pulp and paper mills, oil refineries and chemical enterprises, domestic and urban wastewaters.
- Iron-containing coagulants - used in the preparation of drinking water, in installations for the treatment of sewage and wastewater.

Reagents for circulating water supply systems, additional components for water treatment - can solve any problems: corrosion, lime and mineral deposits, microbiological deposits, etc.



High-temperature inorganic phosphate binders

High-temperature inorganic phosphate binders - used in the production of refractory products, in the ceramic and metallurgical industries:

• lining work during the laying of furnaces and other thermal equipment as a substitute for masonry mortar;

• bonding heat-insulating products, high-temperature ceramics and burner stones, sealing.

Metal stearates

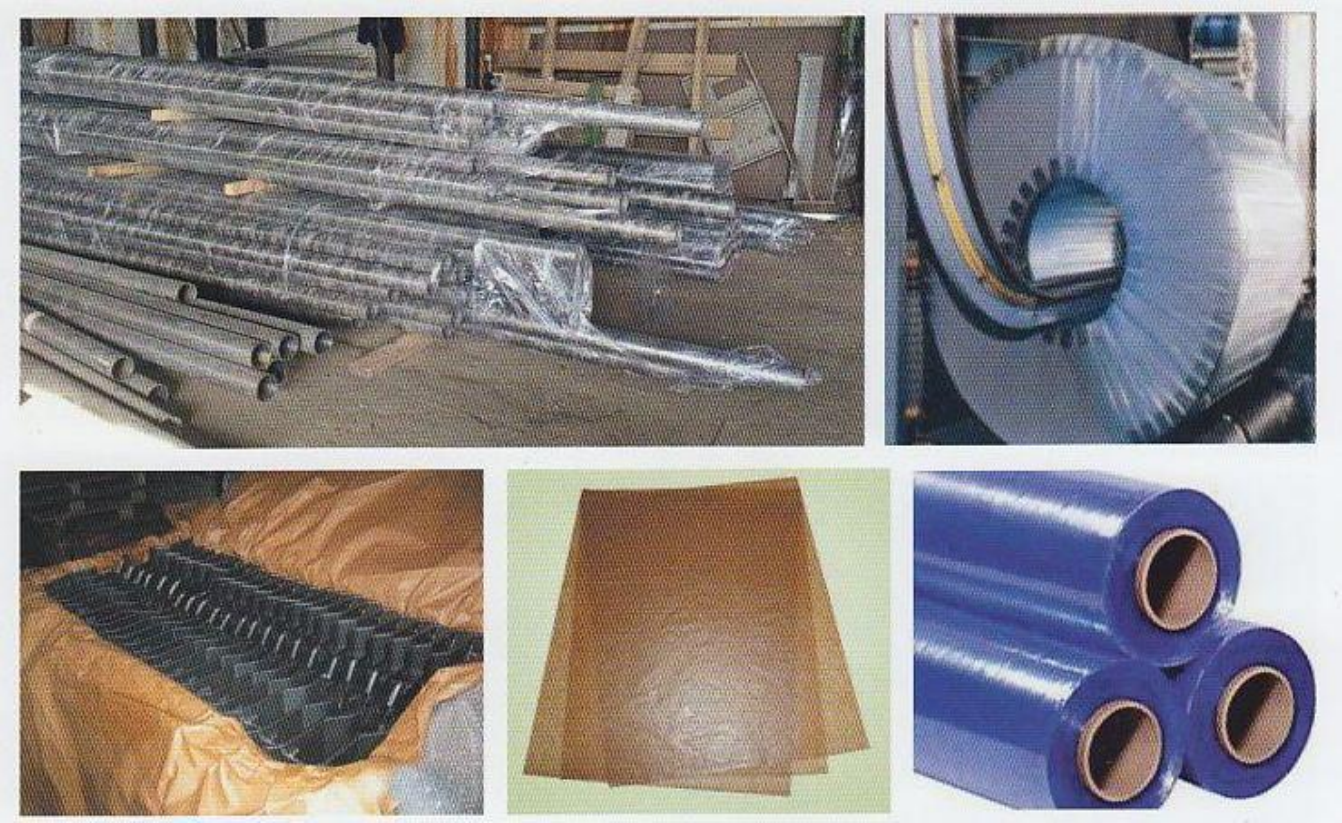
Metal stearates (aluminum stearate, calcium stearate, cobalt stearate, magnesium stearate, sodium stearate and zinc stearate) are metal salts based on stearic acid.

These substances are widely used as thermal stabilizers of polymers (for example, PVC), in the production of rubbers, in the processing of plastics, in the production of artificial leather and linoleum, pipes, cables. Also stearates find application in the manufacture of paints, varnishes, hot melt adhesives, in metallurgy as components of plastic lubricants, in the production of building mixtures.

At the request of the customer, we will provide samples for laboratory analysis and consider options for the production of stearates with individual parameters for your manufacture.

Reagents for capillary flaw detection

Capillary flaw detection is one of the main methods of non-destructive testing and is designed to detect surface and through defects in basic materials and welded joints.



Packing materials

Packing materials for reliable and effective corrosion protection of metal products which are made from various metals and alloys.

Components of fluxes hot dip galvanizing of steel sheet, pipes, and metal goods.

Zinc Chloride technical is used as a raw material for the preparation of fluxes hot dip galvanizing. Zinc ammonium chloride - provides high-quality zinc coating of metal products; high-quality protection of metal products from oxidation due to the formation of a passivating flux film.

Mineral fertilizers and special inorganic compounds

- monopotassium phosphate *(KH_2PO_4)* – highly effective fertilizer which consist of 27 % K_2O и 40,7 % P_2O_5;
- potassium sulfate *(K_2SO_4)* – highly effective potassium fertilizer which consist of 48-52 % K_2O;
- potassium nitrate *(KNO_3)* – highly effective KN – fertilizer which consist of 13,5 % N and 46,5 % K_2O (produced in solid and liquid form);
- calcium nitrate (*$Ca(NO_3)_2 \cdot 3H_2O$)* which consist of 13-15 % N
- manganese carbonate *($MnCO_3$)*- used to produce manganese salts (chloride, sulfate, nitrate), to obtain electrolytic manganese dioxide (EDM) and manganese metal.
- manganese chloride (*$MnCl_2 \cdot 4H_2O$)* – used as catalyst in organic synthesis, raw materials for other salts of manganese and pigments;
-manganese nitrate (*$Mn(NO_3)_2 \cdot 6H_2O$)* – used to obtain high-purity MnO_2, microfertilizers, chelate fertilizers, siccative;
- manganese sulfate *($MnSO_4 \cdot 4H_2O$)* – microfertilizer, raw materials for manganese chelates;
- chelate fertilizers - highly effective environmentally friendly microfertilizers in a biologically active form based on chelates of microelements (copper, zinc, manganese, iron) for seed treatment and plant nutrition.