



SURFACTANTS FROM ZIRAX

www.zirax.com/PS-Surfactants.asp

Household products

Betaines **Amphoteric surfactants** with excellent foam properties even in hard water. Thickening agents in detergents for applications in various industries; emulsifiers, wetting agents, activators of washing properties. Reduce irritation effect of anionic surfactants; show conditioning properties.

Amine oxides **Nonionic surfactants** with excellent foam properties. Foam stabilizers, effective thickeners in alkaline, hypochlorite and acid detergents; emulsifiers, activators of washing properties. Reduce irritation effect of anionic surfactants.

Alkylolamides **Nonionic surfactants**. Viscosity regulators, re-fattening agents and foam stabilizers in cosmetic-hygiene and household detergents.

Quaternary ammonium compounds (QAC) **Cationic surfactants**. Bactericides, fungicides in disinfectants of different function. Conditioners, antistatics, softeners for fabrics, an additive when dyeing. The activator of the washing action.

Imidazolines **Cationic surfactants**. Biocide, fabric antistatic and softener, emulsifier for different environments, water-repellent agent, corrosion inhibitor.

Carboxymethylates **Anionic / nonionic surfactant**. Co-emulsifier in metalworking fluids, fragrance solubilizer in alkaline formulation. Shows good washing abilities with low foam properties.

Personal hygiene and cosmetics

Betaines **Mild amphoteric surfactant** with high thickening ability and foaming, conditioning effect on hair and skin, compatible with surfactants of all types. Betaines are characterized by good detergency and foaming ability in hard water and low irritant to the skin and eyes.

Amine oxides **Nonionic surfactants** with high foaming, foam stabilizers, activators of antistatic action.

Alkylolamides **Nonionic surfactants** with high thickening effect, stabilize foam and improve its structure, reduce irritant effect of anionic surfactants on the skin. They are the solubilizers of perfume and essential oils in cosmetic formulations.

Quaternary ammonium salts **Cationic surfactants**. Hair conditioners, antistatics, emollients for hair.

Imidazolines **Cationic surfactants**. Biocides, antistatic agents, emulsifiers for different environments.

Disinfection & sanitation

Quaternary ammonium compounds **Cationic surfactants**. Bactericides, fungicides, virucides in disinfectants, compositions for water treatment, wood and fur.

Imidazolines Bactericides, fungicides, virucides in disinfectants, compositions for water treatment, wood and fur.

Oil and gas industry

Reagents for oil and gas extraction. **Water repellents, corrosion inhibitors and biocides**.

Road construction

Additives for road construction. **Cationic emulsifiers and cationic additives** for bitumen.