

**APPLICATION FIELDS OF ANIONIC SURFACTANTS**

METAL ALKALINE CLEANING

ELECTROLYTIC CLEANING

METAL PLATING

PICKLING

MOLDING

HOUSEHOLD&INDUSTRIAL CLEANING

WALLPAPER PENETRANT

LYE WASHING/LYE PEELING OF FRUITS&VEGETABLES

WETTING AGENT

TEXTILE BLEACHING&MERCERIZING PROCESSES

ACID CLEANERS

WATER BASED LUBRICANTS

CORROSION INHIBITORS

EMULSION POLYMERISATION

AGROCHEMICAL ADDITIVES



**ERS 2 EHS**

**ERS 2 EHP**

## Anionic Surfactants

ERS 2 EHS ve ERS 2 EHP, They are low foaming anionic surfactants with excellent wetting properties and superior stability in the electrolyte, alkali and acidic systems. It is a hydrotropic wetting agent suitable for use in the production of liquid detergents for domestic and industrial use, such as hard surface cleaners and alkali and acid metal oil solvents.

Product Code	Chemical Description
ERS 2 EHS	Ethyl Hexyl Sulfate Sodium Salt
ERS 2 EHP	Sodium bis(2-ethylhexyl) phosphate

## ERS 2 EHS

ERS 2 EHS is an aqueous solution 2-ethylhexyl sulfate. It is a unique wetting assistant. Its solubility, stability, and penetrating action in strong acidic and alkaline solutions containing 10 to 20 percent of dissolved electrolyte.

ERS 2 EHS possesses very good hydrotropic properties and improves the spreadability of liquid cleaners particularly on hard surfaces.

ERS 2 EHS can be used as a raw material for wetting agents in alkaline media. It can be used as a hydrotropic substance in the formulation of liquid cleaners.

## Applications

### FOUNTAIN SOLUTIONS

ERS 2 EHS is a unique ingredient in the formulation of offset printing fountain solutions

### LYE WASHING&PEELING VEGETABLES & FRUITS

In the commercial process of lye washing and lye peeling of fruits and vegetables,

### ELECTROLYTIC CLEANING

The addition of 0.1 to 0.25 percent of ERS 2 EHS to the electrolytic solution decreases the surface tension of the solution and facilitates the release of hydrogen gas bubbles from the surface of the metal.

### HOUSEHOLD&INDUSTRIAL CLEANERS, WALLPAPER PENETRANT

ERS 2 EHS has been used successfully in formulations that eliminate much of the work involved in removing old wall- paper.

### AGRICULTURAL USES

ERS 2 EHS is an excellent coupling agent for inorganic salts that are incorporated in organic solvent-water mixtures.

### METAL ALKALINE CLEANING

The addition of ERS 2 EHS to alkaline degreasing baths reduces the cleaning time and the concentration of alkali required.

### MERCERIZING

ERS 2 EHS promotes extremely rapid mercerization of gray cotton goods,

### PLATING

Added to a bright copper plating bath, 0.2 percent of ERS 2 EHS effectively eliminates much of the pitting caused by impurities.

### PICKLING

ERS 2 EHS may be used in acid pickling baths to reduce the pickling time,

### MOLDING

Addition of ERS 2 EHS, sand decreases the mulling time and results in sand of more uniform size for use in making casting molds and cores

## ERS 2 EHP

ERS 2 EHS is highly versatile surfactants offering a wide range of properties and applications. The main advantages of ERS 2 EHP over many other surfactants are their alkali stability and solubility. They are excellent hydrotropes and are effective coupling agents which give outstanding wetting, emulsification and detergency. As such they are used widely in emulsion polymerisation, textile auxiliaries, maintenance chemicals, metal finishing, and many other applications.

Being stable in high concentrations of alkali, they are especially useful in household and maintenance cleaning products, where high active heavy duty products are required.