

## BIOCIDE:

BIOCIDE is used to control for microbial growth in water and solutions, also it contains 5 chloro, 2 methyl, 4 isothiazolin.

Water – containing and low toxicity biocidal products designed for the microbiological protection of water – containing products and it made for against for degradation.

- Color change
- Gas emissions
- Go to phase
- Loss of viscosity
- Adhesive

Characteristics:

Color: colorless yellow

Color: Light liquid

Specific gravity (20°C) 1.010 g/ml – 1.10 g/ml

pH (saf): 2.0-7.0

pH (pure): 2.0 – 7.0

Biocidal characteristics

effective bacteria, fungi and fluids.

Use

formulations of a surfactant

detergents, shampoos, soaps, dishwashing liquids, softeners, emulsion paints, glues, pigment pastes, adhesive emulsion papers, textile and leather auxiliaries, wax and grease emulsions, greases and for mastics.

Application surface:

It is recommended to use percentage of these product is 0.1 – 163 % of the total produced.

Organism (ppm) bacteria:

Staphylococcus aureus: 1100

Pseudomonas aeruginosa:400

Pseudomonas putida: 250

Vulgar protein: 900

Intestinal sticks:700

Fungus:

Penicillium 150

Aspregiloma, Niger:150

Fusarium Solan:150

Candida candles: 500

Compatibility:

Compatible with all raw materials used in antacid microbiologically products.

It's important tu to test before using.

Storage conditions:

The antacid should be stored at 5 – 40°C. should not be under the sunlight. Must be observed fire and insurance safety rules, which also include storage conditions.

Term of save: In case of original packaging 12 month.

Container:

The antacid must be stored in 30 kg, 200 kg barrels and 1 ton IBC tanks.

Usage:

Personal must always wear protective uniforms if direct use becomes necessary.

Protective uniforms include the following materials: a rubber apron, matching waterproof long gloves and shoes. Appropriate protective goggles.

Toxicology: LD50(mouse): 3965 mg/kg.

## **ANTI FOAM**

Components:

Hydrophobic active ingredients, natural fat and nonionic emulsifier emulsion.

Chemical and physical characteristics:

Color: uniform emulsion, beige, yellowish

The density: 20°C g/cm<sup>3</sup> is about 0,92

water solubility: not emulsifiable in water.

PH: approximately

Ionic nature: not ionic.

Place of use and features: designed for the paint and varnish industry. Particularly effective on acrylic, strain acrylic and vinyl dispersion, vinyl acrylic copolymer systems.

Recommended for use with the following systems: dispersion paints, interior and exterior.

- Pen
- Acrylic and silicate plaster
- Gloves

Dosage and method of combinations:

### Preparation:

Must be carried out commercial form. Can be added at any stage of production as a foam corrector.

At the stage of pigment lands it's possible to add 2/3 of it, and at the stage of equilibrium the remaining part of whole. Can also be added to the final look of the product. According to the required results, the average effective dose is 0.1 – 0.3 %.

Packaging use and storage:

Delivery will be in 25, 200, 1000 litre plastic packaging.

Keeping temperature: from 5° C to 30° C, the product is sensitive to temperature changes. Before using the product it is necessary to test the quantity and the interaction with the other substance in the mixture. During the storage period it may split. Stir it well before use. During packaging and storage at high temperatures, if any other-foreign matter getting inside may cause microbiological contamination.

Product safety (classification, toxicity, PPE)

Request a safety information form.

Product description styrene acrylic copolymer emulsion

### CHARACTERISTICS

Coloring	White viscous liquid
Amount of solid substance (150 °C, ½ hour):%	50.0+1.0
PH (Direct)	8.0+1.0
Brookfield RVDV-II) (23 °C, 5/20) MPAS	4000–11000 cps

Flexible acrylic connector

Place of use:

Connector, used on flexible coatings, paints, mastics and multilayer coatings.

Information about packaging: 160 kg barrel, 1 ton IBC

### **SITREN AKRILIK RESINE:**

#### **Product description styrene acrylic copolymer emulsion**

##### **Features**

coloring	White viscous liquid
Amount of solid substance (150 °C, ½ hour):%	50.0+1.0
PH (Direct)	8.0+1.0
Brookfield RVDV-II)	7000–14000 cps
viscosity/adhesiveness (23 °C, 5/20) MPAS	

Place of use:

Used in the manufacture of interior and exterior façade paint, semigloss paints for the overall finish of the building.

It has a high resistance to water and is also resistant to weather conditions.

Packaging information: 160 kg barrel, 1 ton IBC

### **NATRASOL HR (HIDROKSI ETIL CELLULOSE):**

Product description:

It is made from wood or cotton, and is a non-ionic polymer extracted, which is used as an auxiliary and rheological regulator. Medium viscosity adhesive type hydroxy ethyl cellulose.

Usage:

Mainly used in water-based paints, construction and personal care products. Compatible with viscosity and color pigments, emulsion polymers, emulsifiers, foam cutters and protectors. HECCELLOSE is used to prevent aggregation caused by accelerators greater than the optimal decomposition percentage in order to obtain the most suitable hydration period for each application.

Typical features:

Physical Data	Description	Notes
coloring	Color whitish powder	
Particle size	90% < 425 $\eta$ 90% < 425 $\eta$ m	bioreactor sieve
Humidity content	Max. 5%	
Viscosity (1% solution, 25 C)	1.500-2.500 cps 1.500-2.500 cps	Broofiels
pH pH	6.0-8.5 6.0-8.5	

Warehouse and packing:

Packed in 25 kg polyethylene inner lined paper bag. Due to the tendency to moisture, it should be stored in a dry, clean place. With original packaging, at room temperature, if stored in suitable conditions, does not spoil the product.

## SODIUM HEXAMETAPHOSPHATE:

Technical characteristics:

Products:

Sodium hexametaphosphate (SHIMP) technical class.

Molecular formula (NAPO<sub>3</sub>)<sub>6</sub>

Molecular weight: 612 g/mol

Label on the bag: SODIUM HEGZA META FOSFAT

Feature	Standart
All P <sub>2</sub> O <sub>3</sub>	68% minimum
Passive P <sub>2</sub> O <sub>3</sub>	7.5% maximum
PH indicator	5,8–7,3
Fe	0,05% maximum
A substance insoluble in water	0,1% maximum

Used on paints and coatings as a waterproof infiltrator. Also used as a disperser.

FILM AJANI:

Usage:

Is a very light-smelling binder used in dispersions, dispersion paints and adhesives.

Physical characteristics:

Color: light clear liquid. Density 20°C is about 940 kg/m<sup>3</sup>

Viscosity: 25°C max 2mg / l 100 ml blast point: > 100 °C

Decomposition: does not dissolve in water, but dissolves in aromatic and acrylic solvents.

Features and usage:

Used to reduce the formation temperature of the minimum layer of dispersion paints and also as an aid to the formation of the layer by polymer dispersion particles. During use and storage, it is necessary for the polymer particles to move freely, in the case of such storage, stability will be ensured. However, the problem no longer arises in adhesion and spread. At the same time, after applying the paint on the surface, it is necessary to melt and ferment the polymer particles. If the polymer particles are cool, then they will remain separate from each-other and because of this a good coating will not be possible.

These products also act as a plasticizer for strong solvents and polyacrylics, polyvinyl acetates, and commonly used thermopolymer dispersions. The reason for the softening of the polymer particles to form a permanent layer, due to its slow evaporation, is that it stays in the damp and hot atmospheric conditions for a long time after application.

KALSIM 5 MIKRON:

Product description:

Natural, thin, very easily soluble calcium carbonate powder made from very pure, white marble.

Chemical structure of raw materials:





MgCO<sub>3</sub>

FeCO<sub>3</sub>

Does not dissolve in HCl

Grain size breakdown:

Waste in 45µm sieve (ISO 787/7)

The largest grain (d98%)

Average grain size (d50%)

2µm lower marbles

Whiteness:

Clearness: CIE L\*, a\*, b\* (DIN 6174)

Brightness: (R<sub>y</sub>, C/2°, DIN 53163)

Brightness: (R 457 ÷ ISO 2469)

Jaundice Index (DIN 6167)

Moisture leaving the factory (ISO 787/2)

Package density (ISO 787/11)

pH indicator (ISO 787/9)

Fat absorption (ISO 787/5)

VO absorption (ISO 787/5)

Place of use:

- Paper
- Any kinds of paint
- Plastic
- PVC coating
- Polyester

- Polyurethane
- Polyolefin

Other places of use:

Adhesives, insulation materials.

#### DISPERSANT:

Dispersant tool for water-containing system. Dispersion dyes are formulated mainly with solvents and partly with calcium carbonates. It is necessary for these solvents to mix or form a viscosity without forming aggregation in water-containing systems. Most inorganic dispersants cannot solve this problem.

COATEX P 90 is a product designed to solve these problems. Provides complete dispersion in solid, solvent and inorganic pigments and PVC systems.

COATEX P 90 should provide dispersion of pigments and solvents. Because of this it is necessary to add this substance without stirring. The required amount of pigments and fillers should vary 0.1% to 0.5% depending on the active content of the total gravity, dispersion of pigments and fillers is recommended from 7.5 to 9.5.

Properties analysis.

Structure: ammonium salt of polyacrylate

Color: (20°C) blue-green, aqueous solution.

Solid content (%): 40

pH (20 C): 7

Density: (20 C): 1.16

Advantages:

Compatibility: compatible with many polymer emulsions, pigments and solvents.

The liquid is ready to use and easy to use. Low levels require mineral pigment and solvent and a bit of hardening time. The manufactured products with good stable properties add to the extraordinary viscosity COATEX P 90 does not form foam.

Save:

Must be protected against BR 100P weather conditions and stored at a temperature of 5 to 40 degrees.

Unopened packaging of products should be closed immediately.

The shelf life of the product is 6 months.

Packing:

In 210 kg barrels.

#### **T I T A N D I O K S I T R U T I L E :**

International standarts ISO 591-1:2000, ISO 9001:2008, ISO 14001:2004

TiO <sub>2</sub> Contents %	92	
Water soluble substance%	0,1	
Unstable substances%	0,2	
pH Rate water mixture	6,5–8,0	
Fat absorption (g / 100 g)	21	
Pollution index	2,7	
A unit of color deflection force	2100	

Opacity g / m <sup>2</sup>	25
Dispersion Um <sup>2</sup>	11
Dispersion Um	60
Residue above the sieve (45 mm 325 mesh)%	0,005
Average volume weight (kg / m <sup>3</sup> ) c	800
Average specific gravity (kg / m <sup>3</sup> )	3860
Average molar size (um)	0,25
Whiteness, unit	97,1
Resistance	Good
Rutile content%	98

Has excellent optical properties, high coverage and excellent whiteness, high dispersion thin grain size, does not produce foam.

Use: Mainly used in water and solvent-containing paints, varnishes and construction chemicals.