

PRODUCTLIST

1 PERFORMANCE CHEMICALS FOR SYNTHETIC RESIN & RUBBER INDUSTRIES AND PAINT, INK & PIGMENT INDUSTRIES

1. Curing Agents for Epoxy Resins and Epoxy Resin Enamels
2. Pigment Dispersants (Oligomer Type)
3. Emulsifiers for Emulsion Polymerization
4. Stabilizer for Emulsions and Latexes
5. Resin Modifiers
6. Internal Antistatic Agents
7. Mold Releasing Agents
8. Printing Ink Binders
9. Compounding Ingredients for Paints and Printing Inks
10. Polyurethane Coating Materials
11. Pigment Dispersants (Surfactant Type)
12. Defoaming Agents
13. Plasticizer for Polyurethane-Based Sealant

2 PERFORMANCE CHEMICALS FOR COSMETICS, PHARMACEUTICALS, DETERGENTS AND AGRICHEMICALS

Performance Chemicals for Cosmetics

1. Base Materials for Shampoos (Anionic Type)
2. Base Materials for Shampoos (Amphoteric Type)
3. Foam Stabilizers and Thickeners for Shampoos
4. Base Materials for Body Washes
5. Base Materials for Hair Conditioners
6. Compounding Ingredients for Cosmetics
7. Emulsifiers for Cosmetics

Performance Chemicals for Pharmaceuticals

1. Tablet Binders
2. Base Materials for Ointments
3. Coating Agents for Tablets
4. Germicides (Pharmaceutical Use)
5. Other Products for Pharmaceuticals

Performance Chemicals for Detergents

1. Base Materials for Detergents
2. Germicides (Industrial Use)
3. Additives for Detergents
4. Base Materials for Household Softeners
5. Industrial Defoaming Agents

Performance Chemicals for Agrichemicals

1. Emulsifiers for Emulsifiable Concentrates
2. Dispersants for Granule Preparations

3 PERFORMANCE CHEMICALS FOR POLYURETHANE AND POLYURETHANE-RELATED INDUSTRIES

1. Polyether Polyols for Flexible Slabstock Polyurethane Foams
2. Polyether Polyols for Automobile Hot Molded Seat Cushions
3. Polyether Polyols for Automobile High-Resilient Molded Seat Cushions
4. Polyether Polyols for Crushpad Foams
5. Polyether Polyols for Rigid Polyurethane Foams
6. Polyfunctional Polyols
7. Example of Polyurethane Foam System
8. Polyether Polyols for CASE
9. Prepolymers and Raw Materials for Polyurethane Elastomers
10. Base Materials for Synthetic Leathers
11. Water-Borne Polyurethanes for Textile Processing
12. Polyurethane Emulsions for Adhesives
13. Polyurethane Emulsions for Coatings

4 PERFORMANCE CHEMICALS FOR LUBRICANT INDUSTRIES AND MACHINERY & METAL PROCESSING INDUSTRIES

1. Lubricating Oil Additives
2. Base Materials for Polyalkylene Glycol-Type Lubricants
3. Base Materials for Water-Soluble Quenchants
4. Base Materials for Hydraulic Fluids
5. Materials for Brake Fluids
6. Rust Inhibitors
7. Water-Soluble Cutting Fluids
8. Emulsifiers for Metal Working Oils
9. Base Materials for Metal Cleaners

5 PERFORMANCE CHEMICALS FOR RESOURCE EXTRACTION AND MINING INDUSTRIES

1. Polymer Flocculants
2. Dewatering Accelerator
3. Cold Flow Improvers
4. Lubricity Improver
5. Dewaxing Aids

6 PERFORMANCE CHEMICALS FOR POLLUTION CONTROL

- Polymer Flocculants

8 PERFORMANCE CHEMICALS FOR CONSTRUCTION AND PUBLIC WORKS

1. Pavement Materials
2. Flooring Materials
3. Caulking Materials for Clay Pipe Joints
4. Water Sealants
5. Mud Dispersants for Drilling
6. Waterproofing Agents
7. Concrete Admixtures

9 ADHESIVES AND ADHESIVE-RELATED PRODUCTS

1. Pressure-Sensitive Adhesives (Cohesive Agents)
2. Hot Melt Adhesives
3. Dry Laminate Adhesives for Food-Packaging Films
4. Potting Resins for Artificial Kidneys (Hollow-Fiber Type)
5. Resins for Anti-Corrosion Paints for Automobiles (for Improving Adhesion of Paints to Electrodeposition Steel)
6. Binders for Fiber-Finishing Agents
7. Polyurethane Emulsion for Bonding Plastics, Cloth and Wood
8. Binders for Fiberglass
9. Curing Agents for Epoxy Resins

10 PERFORMANCE CHEMICALS FOR TEXTILE INDUSTRY

Processes for Textile Manufacturing and Our Performance Chemicals

1. Polyester Textile
2. Nylon Textile
3. Acrylic Textile
4. Cotton Textile
5. Wool Textile

Performance Chemicals for Textile Industry

1. Spinning Lubricants
2. Knitting and Weaving Oils
3. Scouring and Penetrating Agents
4. Dyeing Auxiliaries
5. Softeners
6. Other Finishing Agents
7. Modifiers for Polymers

5

PERFORMANCE CHEMICALS FOR THE RESOURCE EXTRACTION AND MINING INDUSTRIES

1. Polymer Flocculants
2. Dewatering Accelerator
3. Cold Flow Improvers
4. Lubricity Improver
5. Dewaxing Aids

IMPORTANT :

Before handling these products, refer to the current Material Safety Data Sheet for recommended protective equipment, and detailed precautionary and hazards information.

Printed in Japan on Aug. 20, 2009 B830905 KURO, TAI (1000)

For detailed information, please contact Tokyo Area Sales & Marketing Office of Sanyo Chemical Industries, Ltd.

E-mail: sanyoproduct@sanyo-chemical.com

Fax: +81 - 3 - 3245 - 1697

URL: <http://www.sanyo-chemical.co.jp/>

Tel: +81 - 3 - 5200 - 3400

Address: No.10 Chuo Bldg., 5 - 6, Honcho 1 - chome, Nihonbashi, Chuo - ku, Tokyo 103 - 0023, Japan

1. Polymer Flocculants

Product Name	Principal Component (Product form)	Uses and Features
SANFLOC AH-200P	Modified polyacrylamide (Powder)	SANFLOC AH-200P is a general purpose anionic product. It is effective for the sedimentation of suspended inorganic solids like minerals. It is particularly effective in alkaline to neutral pH conditions.
SANFLOC AS-510P	Modified polyacrylamide (Powder)	SANFLOC AS-510P is a general purpose product that is low in anionicity. It is effective for the sedimentation of suspended inorganic solids like minerals. It is particularly effective in weakly acidic to weakly alkaline pH conditions.
SANFLOC N-520P	Modified polyacrylamide (Powder)	SANFLOC N-520P is a general purpose nonionic product. It is effective for the sedimentation of suspended inorganic solids like minerals. It is particularly effective in acidic to neutral pH conditions.
SANFLOC C-009P	Quaternary ammonium salt type acrylic polymer (Powder)	SANFLOC C-009P is a general purpose cationic product. It is effective in promoting filtration, dewatering and thickening of organic sludges.

2. Dewatering Accelerator

Product Name	Principal Component (Product form)	Uses and Features
SERABON DH-707	Anionic surfactant (Liquid)	SERABON DH-707 is a dewatering accelerator for wet mineral concentrates, ores, or solids. It is particularly effective in the dewatering of water-slurry of sulfide or oxide ores of copper, zinc, lead and iron. It is effective in cutting handling and fuel costs.

3. Cold Flow Improvers

Product Name	Principal Component (Product form)	Uses and Features
CARRYOL KA-241	Modified ethylene copolymer (Liquid)	CARRYOL KA-241 is a cold flow improver for diesel fuels and heating oils, particularly at low temperatures. In addition to pour point depression, it excels in CFPP* depression for oils with light and medium distillates.
CARRYOL A-914	Blended modified ethylene copolymer (Paste)	CARRYOL A-914 is a cold flow improver for heating oils. In addition to pour point depression, it excels in CFPP* depression for oils with medium and heavy distillates.

* Cold Filter Plugging Point

4. Lubricity Improver

Product Name	Principal Component (Product form)	Uses and Features
SANFRIC FM-6	Fatty acid (Liquid)	SANFRIC FM-6 is a lubricity improver for diesel fuels when used in small amounts, reduces friction of metals and prevents metals from wear in a fuel injection pump.

5. Dewaxing Aids

Product Name	Principal Component (Product form)	Uses and Features
SANDEWAX DW-11	Polymer of higher alkyl acrylate (Solid)	SANDEWAX DW-11 is dewaxing aid for the production process of lubricating oils. It is particularly useful in the MEK dewaxing process. It remarkably increases the filtering rate.
SANDEWAX DW-12	Polymer of higher alkyl acrylate (Solid)	SANDEWAX DW-12 is dewaxing aid for the production process of lubricating oils. It is particularly useful in the MEK dewaxing process of fuel oils. It remarkably increases the filtering rate.
ACLUBE 133	Polymer of higher alkyl methacrylate (Liquid)	ACLUBE 133 is dewaxing aid for the production process of lubricating oils. It is particularly useful in the propane dewaxing process. It remarkably increases the filtering rate.