


Products

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## Acrylic Monomers

Users of acrylic monomers are highly dependant on the consistency and quality of our products.

Acrylic acid is the main precursor in the production of super-absorbent polymers, the material that has the capacity to absorb liquid many times their own weight . This material is mainly used in diapers and other hygienic products. Acrylic Acid is also used as a polymer flocculant that separates water from waste.

Acrylic esters as well as glacial acrylic acid are used as monomeric building blocks in the manufacture of polymer dispersions and they form the functional component in architectural coatings, adhesives, fiber binders, products for the construction chemicals industry and coatings for the paper industry.

**Glacial Acrylic Acid (GAA)**

GAA mainly serves as monomer for super absorbent polymers widely used in baby and personal care products. It can also be copolymerized with acrylamides, which mainly serve as a flocculant in water industries.

**Butyl Acrylate (BA)**

Butyl acrylate is among the more widely used monomersin the production of homopolymer and co-polymer throughout the world. It exhibits good double bond molecule reactivity properties thus serving good yield application as a chemical intermediate.

**2-Ethyl Hexyl Acrylate (2EHA)**

2-Ethylhexyl acrylate is also a monomer commonly used in the production of homopolymers and copolymers for a wide range of industries. It has low double bond volatility and reactivity making it an excellent choice for plasticizing co-polymers in many applications.

**Market Applications & Industries**

Acrylic monomers are used in a wide range of applications throughout various industries such as adhesive i.e. in the form of pressure sensitive adhesive for OPP tapes, in the paper industry as well as adhesive used in the construction industry. It is also widely used as a copolymer for coating application in the wood , textiles and paint industries. Similarly, it is also used in water based coatings.

As for water treatment- GAA is specially used as flocculants in water treatment to separate water from waste.

Intermediates- Acrylic Monomers are also used as intermediates for other chemicals as it exhibits good molecular building block properties.

| Category | Product Range | End Applications |
|---|---|---|
| **Acrylic Monomers** | Glacial Acrylic Acid | Disposable diapers, feminine hygiene and adult incontinence products;<br>Cable industry, packing industry; for medical treatment; floor cleaners; treatment of waste; fire protection; sealing materials. |
| | Butyl Acrylate | Dispersants; incrustation inhibitors, surfactant. |
| | 2-Ethyl Hexyl Acrylate | Flocculants; dispersants; anti-scalants;<br>Acrylates binders; sizing agents; finishing auxiliaries, leather tanning and leather treatment;<br>Acrylic fibers for floor covering and clothing;<br>Impact modifier for ABS, extrusion of sheets and profiles, calendering of rigid films;<br>Pharmacological products;<br>Adhesives;<br>Industrial coatings; agricultural coatings;<br>Non woven fabric; glass fibre mats; textile coating; paper & film coating; floor covering; moulded foams; glove dipping;<br>Graphic paper. |