

# Itaconic Acid

Unsaturated dicarboxylic-acid monomer for latex, acrylic resins, coatings and specialty chemical intermediates.

|                    |                            |                                  |
|--------------------|----------------------------|----------------------------------|
| CAS No.<br>97-65-4 | EC / List No.<br>202-599-6 | Transport<br>Non-dangerous goods |
|--------------------|----------------------------|----------------------------------|

## Product Information

Unsaturated dicarboxylic-acid monomer for latex, acrylic resins, coatings and specialty chemical intermediates.

## Specifications

| Parameter        | Specification            |
|------------------|--------------------------|
| Appearance       | White crystals or powder |
| Purity           | ≥99.6 %                  |
| Melting range    | 165–168 °C               |
| Loss on drying   | ≤0.2 %                   |
| Ignition residue | ≤0.03 %                  |
| Colour           | ≤5 APHA                  |
| Iron             | ≤0.0002 %                |
| Lead             | ≤0.001 %                 |
| Chloride         | ≤0.0005 %                |
| Sulphate         | ≤0.002 %                 |

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

## Typical Properties

| Property          | Typical Value                                |
|-------------------|----------------------------------------------|
| Molecular formula | C <sub>5</sub> H <sub>6</sub> O <sub>4</sub> |
| Molecular weight  | 130.10 g/mol                                 |

## Applications

SBR latex and paper coating: Comonomer for selected styrene-butadiene latex, paper coatings and carpet-sizing systems.

Acrylic resin modification: Reactive dicarboxylic-acid ingredient for selected acrylic and methacrylic resin systems.

Itaconate ester and specialty intermediate production: Building block for selected itaconate esters, binders, ion-exchange resins and specialty additives.

## Packaging / Storage

| Item     | Information                                                                                                                                                                                          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packing  | 25 kg kraft bags                                                                                                                                                                                     |
| Storage  | Store in tightly closed original bags in a cool, dry, ventilated place. Protect from moisture, direct sunlight and rain; segregate from strong alkalis and oxidizers.                                |
| Handling | Control dust with effective local ventilation. Wear chemical-resistant gloves, suitable work clothing and chemical splash goggles; keep eyewash available. Avoid breathing dust and all eye contact. |

## Company Contact

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Supplier          | Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)                                                   |
| Shanghai office   | Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China |
| Telephone / Email | +86-21-54265599 / sales@zxchem.com.cn                                                         |
| Website           | www.zxchem.com                                                                                |