

## Product Data Sheet for Itaconix® TSI™ 322

**Product:** Itaconix® TSI™ 322  
**Chemical Name:** Poly (itaconic co AMPS, sodium salt)  
**CAS Number:** 1052620-22-0

### Product properties

Appearance:

Itaconix® TSI™ 322 G	Off white free flowing granules
Itaconix® TSI™ 322 Q	Off white free flowing powder
Biobased content	75%
pH at 10% active	5.2
Odor	None
Avg Molecular Weight (Mw)	4300 g/mol
Density	700 g/l
Solid content	85%
Recommended use	100 to 400 ppm
Solubility in water	40% solution pH 5 - 13

### Applications

**Itaconix® TSI™ 322** provides superior crystal growth inhibition. This bio-derived polymer contains 75% renewable carbon from non-GMO corn and has excellent calcite and mineral dispersant properties at cold and elevated temperatures. Suitable for homecare, I&I and water treatment applications, **Itaconix® TSI™ 322** can replace multiple ingredients to achieve cost savings in more sustainable and compact products.

### Stability and Compatibility

Stable across wide temperature and pH ranges, Itaconix® TSI™ 322 is easy to handle and tablet. Cationic substances can only be tolerated in low concentrations.

#### **Technical support available on request**

Please e-mail request to: [support@itaconix.com](mailto:support@itaconix.com)

#### **Samples available on request**

Please e-mail request to: [samples@itaconix.com](mailto:samples@itaconix.com)

#### **To request information on order quantities and pricing**

Please call: +1 (603) 775-4400 or email: [sales@itaconix.com](mailto:sales@itaconix.com)