

## Itaconix® ONZ™ 400

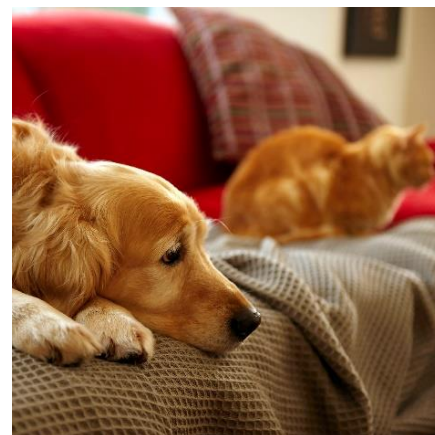
### Plant-based odor neutralization

Itaconix® ONZ™ 400 is a plant-based polymeric zinc complex odor neutralizer that delivers unmatched formulating, use, and cost advantages. It has excellent odor neutralization, is highly water soluble and leaves no residual deposits upon drying. Itaconix® ONZ™ 400 has improved compatibility in liquid formulations due its ionic stability in comparison to Itaconix® ONZ™ 100. Itaconix® ONZ™ 400 does not require surfactants, chelants, or solubilizers to formulate and has excellent temperature and pH stability, making it a cost-effective choice for odor neutralization.

Applications:	Advantages:	Physical & Chemical Properties	
<ul style="list-style-type: none"> <li>• Liquid laundry detergents, especially for sportswear and industrial clothing</li> <li>• Urine odor control</li> <li>• Pet care</li> <li>• Carpet &amp; upholstery cleaners</li> <li>• Hard surface cleaners</li> <li>• Bathroom cleaners</li> <li>• Air fresheners</li> <li>• Wastewater &amp; sewage treatment</li> <li>• Waste treatment &amp; landfill facilities</li> <li>• Janitorial service cleaners</li> </ul>	<ul style="list-style-type: none"> <li>• Neutralize odors – fast &amp; permanent</li> <li>• Effective on odors related to urine, hydrogen sulfide, mercaptans, ammonia and body odor</li> <li>• Easy to use in liquid formulations</li> <li>• Plant-based</li> <li>• Biodegradable</li> <li>• Stable from pH 1 – 12</li> <li>• Dries to crystal; no oily residues or need for embrittling agents</li> </ul>	CAS#	2220235-78-7
		Active zinc	3.5wt%
		pH	5.8
		Odor	Faint, pleasant
		Average molecular weight (Mn)	4300 g/mole
		% Active	30.5
		Chemical class	Poly(itaconic acid-co-AMPS, sodium salt, zinc salt)
		Preservative	Potassium sorbate
		Appearance	Clear to slightly hazy yellow liquid
		Density	1.2 kg/L

### Plant-based freshness

Itaconix® ONZ™ 400 is the sustainable and cost-effective choice for odor neutralization. Neutralize fresh malodors at the source before being detected by the human nose. Effective against unpleasant odors caused by sulfides, mercaptans, amines, ammonia and body odor related molecules such as isovaleric acid and butyric acid. Very effective on urine, it is the top choice for carpet, fabric and upholstery cleaners and animal bedding such as cat boxes.



**Effective on a wide range of malodors**

Itaconix® ONZ™ 400 offers odor neutralization on a wide range of malodors. Used to quickly neutralize odors caused by sulfides, mercaptans, thioethers, amines, ammonia, foot and body odor. Itaconix® ONZ™ 400 binds volatile malodor molecules before they can be detected by the human nose.

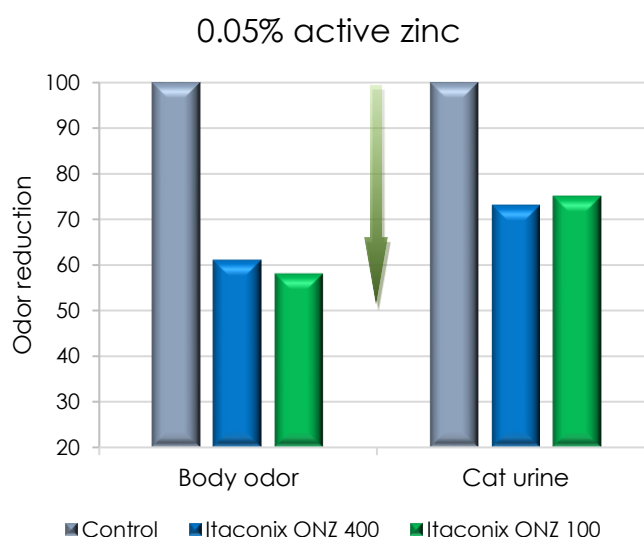
	O dor	Chemistry
✓	Onion-like	3-methyl-3-sulfanylhexas-1-ol
✓	Sweaty	Isovaleric acid
✓	Cheesy	Butyric acid
✓	Urine	Ammonia
✓	Feces	3-methylindole
✓	Foot odor	Propanoic acid
✓	Foot odor	Methanethiol

**Works in everyday home care products**

Itaconix® ONZ™ 400 delivers excellent odor control in a wide range of home care applications such as carpet, fabric and upholstery cleaners, hard surface cleaners, and air fresheners.

Due to its improved ionic stability and boosted zinc activity, it is a great addition to liquid laundry formulations to permanently neutralize unpleasant odors. Effective against body odor buildup in fabric and clothing, Itaconix® ONZ™ 400 is the leading choice for odor control in active sportswear refreshers.

Independent laboratory testing confirms efficient reduction of body and cat urine odors with both Itaconix® ONZ™ 400 and Itaconix® ONZ™ 100 at an equivalent zinc activity of 0.05wt%.



**Samples upon request**

Please email request to: [samples@itaconix.com](mailto:samples@itaconix.com)

**To request information on ordering quantities and pricing**

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



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