

Itaconix® ONZ™ 405

Excellent odor neutralization and scale inhibition for powder & solid formulations

Itaconix® ONZ™ 405 is a dry powder that extends the performance, use, and cost advantages of Itaconix® ONZ™ polymeric zinc complex to powder and solid formulations. It combines fast-acting odor neutralization with multi-functional scale inhibition to offer new performance claims for powder and solid detergent and cleaning products. It does not leave residues on fabrics, making it an excellent performance ingredient for powder & gel laundry boosters, laundry detergents, carpet cleaners, toilet cleaners, air fresheners, animal bedding, pet cleaners, and all powder tablets and pods. High plant-based content supports label claims for sustainability.

Applications:	Advantages:	Physical & Chemical Properties	
<ul style="list-style-type: none"> • Powder laundry detergents and boosters, especially for sportswear and heavily soiled clothing • Powders, tablets, and pods • Pet care • Carpet & upholstery cleaners • Urine odor control • Bathroom cleaners • Machine cleaners • Wastewater & sewage treatment • Waste treatment & landfill facilities • Janitorial service cleaners 	<ul style="list-style-type: none"> • Neutralize odors – fast & permanent • Effective on odors related to urine, hydrogen sulfide, mercaptans, ammonia and body odor • Easy to use in powder and anhydrous formulations • Plant-based powder • Biodegradable • Dries to crystal; no oily residues or need for embrittling agents 	CAS#	2220235-78-7
		Active zinc	10wt%
		pH	7.0
		Odor	Faint, pleasant
		Average molecular weight (Mn)	5000 g/mole
		% Active	93
		Chemical class	Poly(itaconic acid-co-AMPS, sodium salt, zinc salt)
		Preservative	Potassium sorbate
		Appearance	Yellow powder
		Density	800 g/l

Fast-acting odor neutralization claims for powders & gels

Itaconix® ONZ™ 405 is the cost-effective multi-functional choice for new odor control and cleaning claims in powder formulations. Improves formulations with performance and ease of use. Eliminates odors and the detrimental effects of calcium scale. Avoids the need to absorb liquids onto powders. Suitable for use in bulk powders, tablets, and pods.



Effective on a wide range of malodors

Itaconix® ONZ™ 405 offers odor neutralization on a wide range of malodors. Use to quickly neutralize odors caused by sulfides, mercaptans, thioethers, amines, ammonia, foot, and body odor. Itaconix® ONZ™ 405 binds volatile malodor molecules before they can be detected by the human nose.

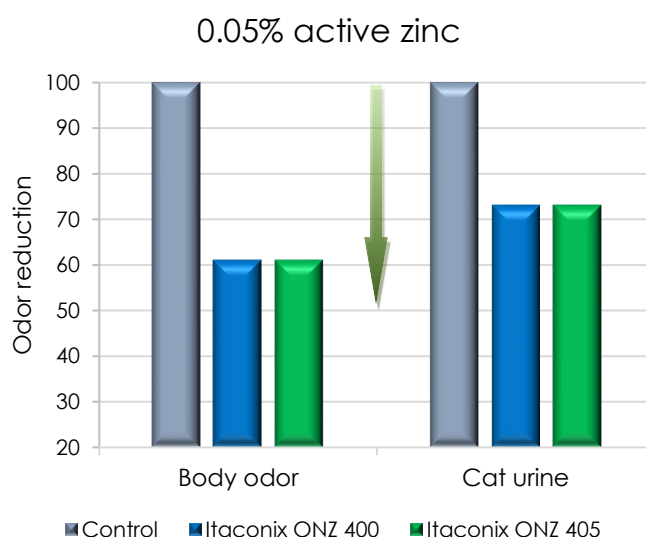
	O dor	Chemistry
✓	Onion-like	3-methyl-3-sulfanylhexan-1-ol
✓	Sweaty	Isovaleric acid
✓	Cheesy	Butyric acid
✓	Urine	Ammonia
✓	Feces	3-methylindole
✓	Foot odor	Propanoic acid
✓	Foot odor	Methanethiol

Works in everyday home care products

Itaconix® ONZ™ 405 delivers excellent odor control in a wide range of home care applications such as laundry detergents, laundry additives, machine cleaners, powder carpet cleaners and pet care products.

Now being offered in its most concentrated dry form, Itaconix® ONZ™ 405 delivers equal performance to the Itaconix® ONZ™ 400 in powders using 1/3 the dose in tablets and pods making it the leading choice for odor control and scale inhibition in active sportswear and industrial laundry powders.

Independent laboratory testing confirms efficient reduction of body and cat urine odors with both Itaconix® ONZ™ 400 and Itaconix® ONZ™ 405 at an equivalent zinc activity of 0.05wt%.



Samples upon request

Please email request to: samples@itaconix.com

To request information on ordering quantities and pricing

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



For Nature with Nature™

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