



HE Laundry Detergent Powder

Fully formulated laundry detergent powder suitable for HE machines with excellent odor neutralization with **Itaconix ONZ 405**, soil removal with enzyme blend and hardness control with **Itaconix DSP 2K**.

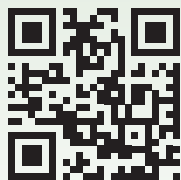
Ingredient	Function	wt%
Sodium bicarbonate	Mineral based cleaning agent	24.8%
Sodium carbonate	Mineral based cleaning agent	21.9%
Sodium percarbonate	Boosts stain removal	18.0%
Sodium alkly ether sulfonate surfactant	Boosts grease and dirt removal	14.0%
Alcohol ethoxylate surfactant	Boosts grease and stain removal	6.0%
TAED	Boosts stain removal	4.5%
Itaconix® DSP 2K®	Water conditioner and anti-redeposition agent	4.0%
Sodium metasilicate	Mineral based cleaning agent	4.0%
Itaconix® ONZ™ 405	Odor neutralizer	1.0%
Enzyme blend	Boosts stain removal	1.6%
Fragrance	Adds scent to the product	0.2%

Directions

- Add sodium carbonate, sodium bicarbonate to mixer and mix until homogeneous
- Add **Itaconix DSP 2K**, **Itaconix ONZ 405**, sodium metasilicate and TAED while mixing
- Add enzymes while mixing
- Add surfactants while mixing
- Add fragrance while mixing

If the powder is below and remains below 95°F (35°C) then add sodium percarbonate and mix until homogenous with no clumps.

If the powder exceeds 95°F (35°C) during or after blending in sodium percarbonate, stop blending and undertake standard safety procedures to cool and isolate the powder.



Visit www.itaconix.com

Potential Label Claims:

- 5 Action cleaning power
- Concentrated cleaning power
- Eliminate odors: instant odor removal on stinky clothes
- Excellent soil removal including hard to remove stains
- Gentle on fabrics
- Safe for septic tanks
- No phosphates or chlorine
- No polyacrylates

Plant-Based Content:

55-90% based on ingredient selection

Product Properties

Appearance..... Free flowing granular powder
pH 10.5

Usage

- Blended powder can be made into a pod or packed in a bulk container.
- One scoop (20 grams) for a normal load, two scoops (40 grams) for a heavy load. Wash on normal cycle.
- Use warm or hot water.

Itaconix Corporation

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