

BARIUM BENZOATE IN FIREWORKS



Introduction

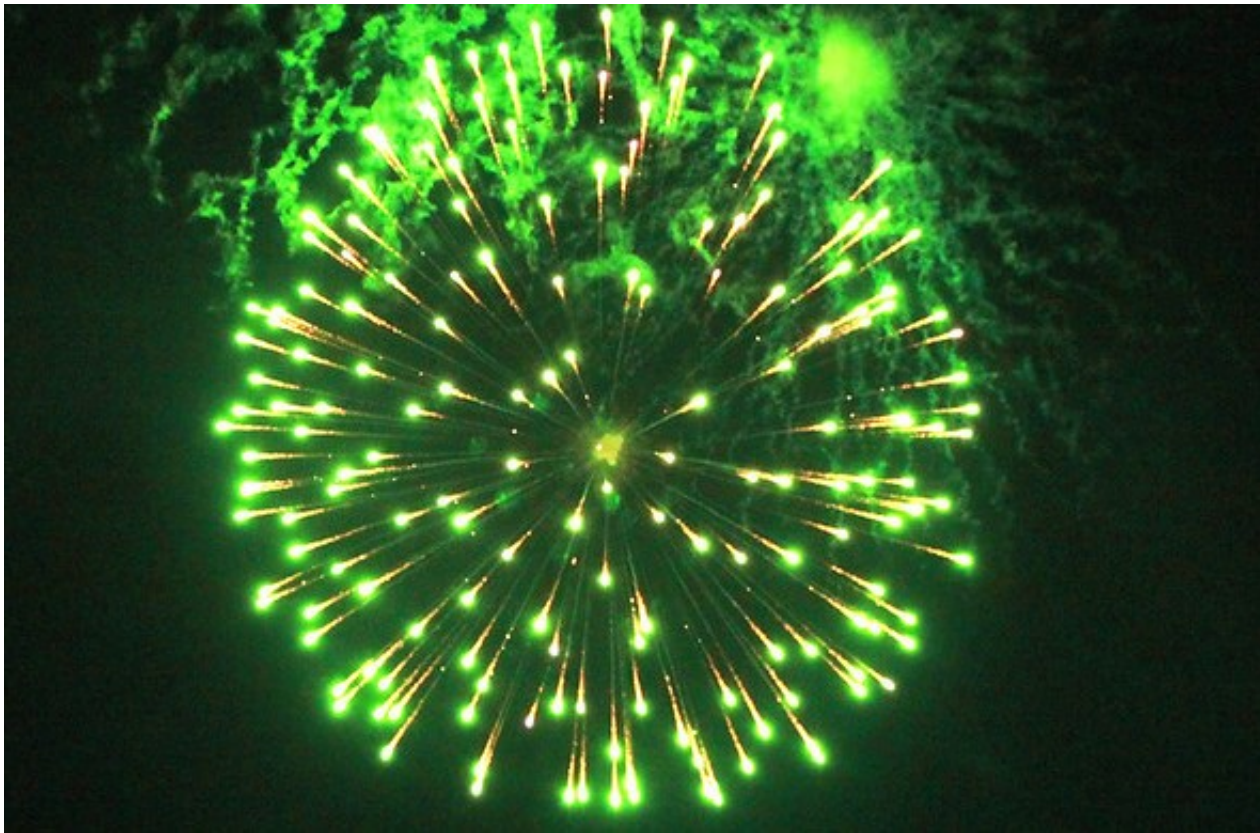
There are many different elements in fireworks. They are used as oxidizers like Barium benzoate. It is added in fireworks to impart a green colour. Sensitive to shock and friction.

Applications

1. Barium benzoate is used to create green colors in fireworks
2. Used as an oxidizer in green color firework compositions.
3. Most green fireworks are made from Barium benzoate.

Benefits

1. A good combustion behavior with low smoke production and a small amount of residues.
2. It helps to stabilize firework mixtures.
3. It can also help to stabilize other volatile elements.



Specifications

Test	Specification	Test Method
Appearance	White Powder	Visual
Purity by Ba content	> 98 %	By GC
Moisture Content	< 1.5 %	Oven Drying at 105 Deg C
Ba content	34.0-37.0	Atomic Absorption
Lead (Pb)	< 10 ppm	XRF analyser / Atomic Absorbtion / ICP
Arsenic (As)	< 3 ppm	XRF analyser / Atomic Absorbtion / ICP
Particle size (Typical) D10	< 3-5 Microns	Particle size Analyser
Particle size (Typical) D50	< 15 Microns	Particle size Analyser
Particle size (Typical) D90	< 30 Microns	Particle size Analyser

Product FDA Status

It is not registered in food contact applications by US FDA.



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