

BCN

Basic Copper Nitrate

BCN is one of the main chemicals used in producing generants for airbags. Generants create the gas that inflates the airbag in a collision.

- The driver side airbag reduces fatalities in frontal crashes by approximately 25% (for belted drivers)
- Airbags reduce serious head injuries by over 60%.
- Airbags deploy in 50 milliseconds, half the time it takes to blink an eye.

Airbags potentially save more than 30,000 lives per year globally.

DESCRIPTION

Basic Copper Nitrate is used as an oxidizer in generants for airbags and in fuel and combustion additives. It provides high gas output, density, and thermal stability. Basic Copper Nitrate is used throughout many industrial sectors in applications such as: oxidizers for gas-generant compounds in airbags, increase performance and burn rates of fuel and combustion additives, heterogeneous catalysis, and chemical synthesis.

The Shepherd Chemical Company is a well-known leader in the manufacturing of Basic Copper Nitrate, used in airbag generants, fuel and combustion additives, intermediate copper products, and oxidizers. Our Basic Copper Nitrate additives are continually developed to meet the needs of customers in all industries globally.