

**BHA® Neutralite SR Conditioning Agent helps prevent spark holes and fires in a copper smelter baghouse venting a fluid bed dryer, resulting in extended bag life and maintenance savings.**

## Challenge

Over a period of six years, the plant experienced three baghouse fires, each a result of spark carryover from the dryer. In addition to the fires, spark holes in the filter bags were a continuous problem, requiring workers to spot change bags daily.

Each fire cost the plant well over \$150,000 in lost production, replacement bags and labor. Plant supervisors needed to reduce the number of filter bags changed daily, extend the average bag life, and minimize the risk of fire.

## Solution

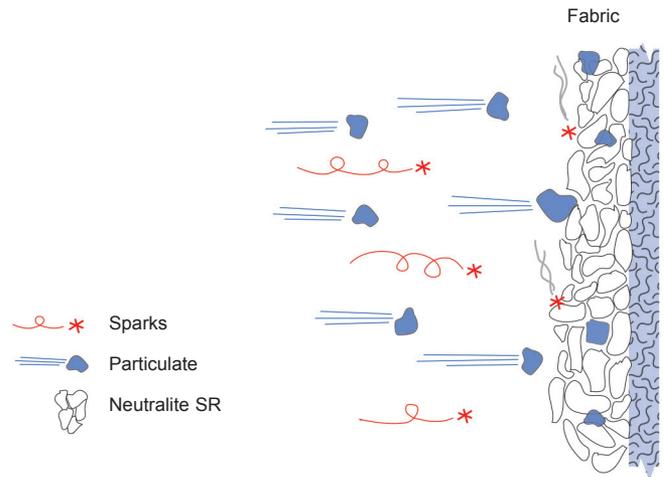
CLARCOR Industrial Air recommended a daily addition of BHA Neutralite SR Spark Resistant Conditioning Agent to the baghouse. BHA Neutralite SR is a light-density, neutral aluminum silicate powder that helps extinguish hot sparks on contact. The powder consists of microscopic particles of varying shapes. Injected into a baghouse, BHA Neutralite SR creates a porous dustcake layer on the outer surface of the filter bags that increases filtering efficiency, improves airflow, absorbs moisture and hydrocarbons, and snuffs out sparks that carry over to the baghouse.

## Results

The following results were achieved:

- Costly baghouse fires ceased occurring when 2-3 bags of BHA Neutralite SR were added daily to rejuvenate the initial dustcake coating.
- Filter life increased by 25%, and the plant realized 50% less maintenance interruptions for bag spot changes.

## The Benefits of BHA Neutralite SR Powder



BHA Neutralite SR provides a protective coating on the fabric surface that extinguishes hot sparks before they can damage filters. The artificial dustcake diffuses airflow through the millions of passages between particles, resulting in reduced differential pressure. The protective coating also helps prevent particle impingement, fabric airflow blockage, and contamination by hydrocarbons and moisture.