

Fields of Application

In the mining industry:

- To protect the mine dust against the possibility to transfer coal dust explosion outside protective areas;
- In sites of secondary dust formation sources (reloading and dumping points, and turning stations);
- In excavations where anti-explosive barriers are incorporated at distances not lower than 50 m from the barrier;
- In excavations where the relative humidity of the air is higher than 70%;
- As an auxiliary agent to make flushed protective areas;
- In coal excavations to reduce the spontaneous combustion tendency of coal (e.g. coal left in the dump);
- As an agent to liquidate areas of considerable coal dust accumulation;
- As an agent to accelerate setting of the filling made of fly ashes.

Advantages

Neutralisation (depriving of volatility) of mine dust/coal dust.

Minimising the coal dust explosion hazard
Reducing the self-igniting tendency of coal
Slows down the corrosion rate of metal components

Non-flammable

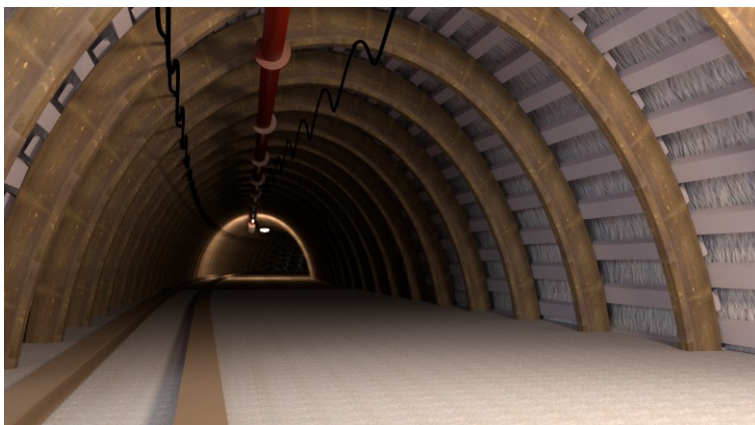
The application of the product does not affect the readings of the mine atmosphere sensors.

Product characteristics

Product with calcium chloride – MULVER®

Grey mixture of hygroscopic and antipyrogenic substances as well as auxiliary additives reducing the surface tension of liquids; in a form of flakes.

Classified as class 4 spontaneous heating process inhibitors (antipyrogens) according to a 5-grade classification of the Central Mining Institute.



Method of use:

The application of MULVER® in the excavation involves manual pouring of the preparation using small shovels or mechanical methods, or as an additive to water slurries.

To enhance the action of the product, before pouring, flush the entire area of the excavation with water. For an excavation of 4–5 m wide, at one session pour from 1 to 5 kg of the product per 1 per linear metre of the excavation. The preparation should be spread evenly across the floor of the excavation..

Product durability and storage:

The product is packed in 25 kg paper bags, stacked on pallets, as a standard, of 40 bags, covered with foil, with a net weight of 1,000 kg. The guaranteed durability is 12 months of the manufacture date on condition that it is stored according to the instructions. During transport and storage, protect the bags with the product against humidity and any possible mechanical damage.

Information on safe use:

It meets hygienic requirements and the requirements of the Polish and European Union laws on marketing, also for materials intended for use in underground workings of mining companies, in non-methane and methane spaces included in the explosion risk "a", "b" or "c" degree and dust coal explosion risk class A or B.

The product is not a hazardous material within the meaning of the RID/ADR, IMDG, ICAO/IATA transport regulations. It is not subject to classifications or restrictions.

Does not pose environmental hazards