

# Mine fires: prevention, detection, fighting

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## Mine Fires: Prevention, Detection, Fighting

Smith, AC and CN Thompson. The principal problems that were or are still under study are: --prevention of fires: shaft equipment, hydraulic fluids, belt conveyors,. Ng. D and CP Lazzara.

### Fire Prevention

Washington, DC: Bureau of Mines.

### Fire Prevention

Based on feedback from you, our users, we've made some improvements that make it easier than ever to read thousands of publications on our website. In underground coal mines, special attention must be paid to diluting methane as it is flammable and explosive under certain conditions.

### Fire prevention and control

This effort is well under way, with representatives of each group addressing ways to improve the effectiveness of mine rescue teams and the management of emergencies. Then an inert gas, usually nitrogen, is introduced for a period of time, usually making use of available pipelines.

### [The Rescue System and Mine Working Group. Tasks, results, future activities]

To assure smooth implementation of the emergency plan, miners should be provided with comprehensive training and periodic retraining in emergency procedures. The only practical alternatives may be inerting with nitrogen, carbon dioxide, the combustion products of an inert gas generator, or by flooding with water or sealing part or all of the mine Ramaswatry and Katiyar 1988.

### Coal fires burning out of control around the world: thermodynamic recipe for environmental catastrophe

Technologies and engineering controls are critically tied to the geologic setting and mining methods employed. The rapid determination of the explosibility of mine fire gases. Jones, JE and JC Trickett.

### **Method for prevention and control of spontaneous combustion of coal seam and its application in mining field**

Fire-retardant building materials have also been developed, such as the paints and chemicals used to coat and impregnate combustible materials, such as wood and fabric. Because they burn underground, coal seam fires are extremely difficult and costly to extinguish, and are unlikely to be suppressed by rainfall.

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