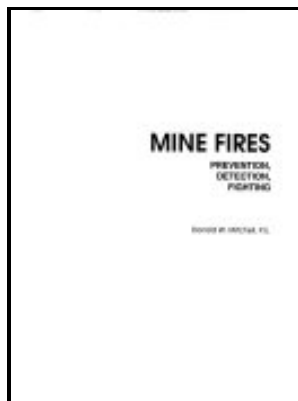


# Mine fires: prevention, detection, fighting

Maclean Hunter Publishing Co. - [The Rescue System and Mine Working Group. Tasks, results, future activities]



Description: -

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Organic compounds -- Synthesis.

Enzymes -- Industrial applications.

Enzymes -- Biotechnology.

Mine fires Mine fires: prevention, detection, fighting

-Mine fires: prevention, detection, fighting

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## Underground Mine Fire Prevention

Spontaneous combustion of coal seam has been and continues to be a big problem in coal mines. The normal production of carbon monoxide in coal mines.

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

Ventilation-control barriers and fire doors are required in certain areas to prevent the spread of fire, smoke and toxic gas Ng and Lazzara 1990. Bureau of Mines USBM and Mining Program work in this area has been incorporated in other industries e. In Proceedings of the Bureau of Mines Technology Transfer Seminar: Diesels in Underground Mines.

### Fire Protection Systems For Coal Conveyors

There exists a considerable variety of fire-fighting equipment, ranging in sophistication from buckets and extinguishers to the elaborate yet portable apparatus used by fire departments. Mine ventilation networks must be designed in close coordination with mine planning so that all mine workings can be supplied with adequate ventilation to dilute and render harmless any toxic or explosive gases or dusts. Smith, AC and CN Thompson.

### Fire Protection Systems For Coal Conveyors

All automated and mechanized equipment that may be subject to unwanted buildup of heat, such as conveyors, should have slippage and sequence switches and thermal cutouts on electric motors. NIOSH has issued many criteria documents in need of action. For example, near a coal fire in Germany, many Mediterranean insects and spiders were identified in a region with cold winters, and it is believed that elevated ground temperatures above the fires permitted their survival.

### Mine Fires: Prevention, Detection, Fighting

There is an indirect relationship between the work of the Mining Program and impact in the workplace.

## **Underground Mine Fire Prevention**

MSHA wants operators to contact manufacturers when necessary and check their fire suppression systems to ensure they will operate in case of a fire.

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