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FIRE EXTINGUISHING COMPOSITION

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3 Claims. (Cl. 252-7)

The present invention relates to an extinguisher product which is particularly capable of extinguishing magnesium fires.

It is in fact known that these latter are extremely difficult to control, particularly because of the very high temperature of the flames, this causing the dissociation of a large number of chemical products, especially water, with production of gases or of dangerous or explosive products.

The only means which has so far been suggested for extinguishing these fires consists of an oil spray; in actual fact, however, this oil does not permit the temperature of the burning mass to be lowered sufficiently and the result is in effect to add oil combustion to the combustion of the magnesium. The product according to the invention consists of a mixture of:

At least one heavy hydrocarbon.

At least one resin of the polyhydrocarbon family, and Urea or melamine or one of their non-oxidized derivatives.

By heavy hydrocarbons, the invention covers more especially petroleum pitch and coal tar.

Among the resins which can be used, polyethylene is particularly suitable.

According to the invention, the mixture can be used in a powdered form. The above products are crushed while dry so as to pass through a number 60 screen with a retention not exceeding approximately 10%. After being dry-crushed and screened, the products are mixed and preferably coated with a water-repelling agent.

The proportions of the constituents can vary within wide limits. According to the invention, it is preferred to keep within the following limits:

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	Percent
Pitch or the equivalent	5 to 20
Polyethylene or the equivalent	10 to 30
Urea or the equivalent	50 to 80

One mixture which is very suitable is given below as a preferred but non-limitative example:

	Percent
Petroleum pitch	10
Polyethylene	20
Urea	70

What I claim is:

1. A composition for extinguishing fires comprising a mixture of 5-20% of a heavy hydrocarbon selected from the group consisting of petroleum pitch and coal tar, between 10-30% of resinous polyethylene, and between 50-80% of a substance selected from the group consisting of urea and melamine.

2. A composition for extinguishing fires comprising a dry powdery mixture of 5-20% of a heavy hydrocarbon selected from the group consisting of petroleum pitch and coal tar, between 10-30% of resinous polyethylene, and between 50-80% of a substance selected from the group consisting of urea and melamine, said powder having a sufficiently small size to pass through a number 60 screen with a retention not exceeding approximately 10%.

3. A composition for extinguishing fires comprising a mixture of 10% petroleum pitch, 20% resinous polyethylene and 70% urea.

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