A FIRE EXTINGUISHER FOR YOUR 4X4

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New Mexico 4 Wheelers
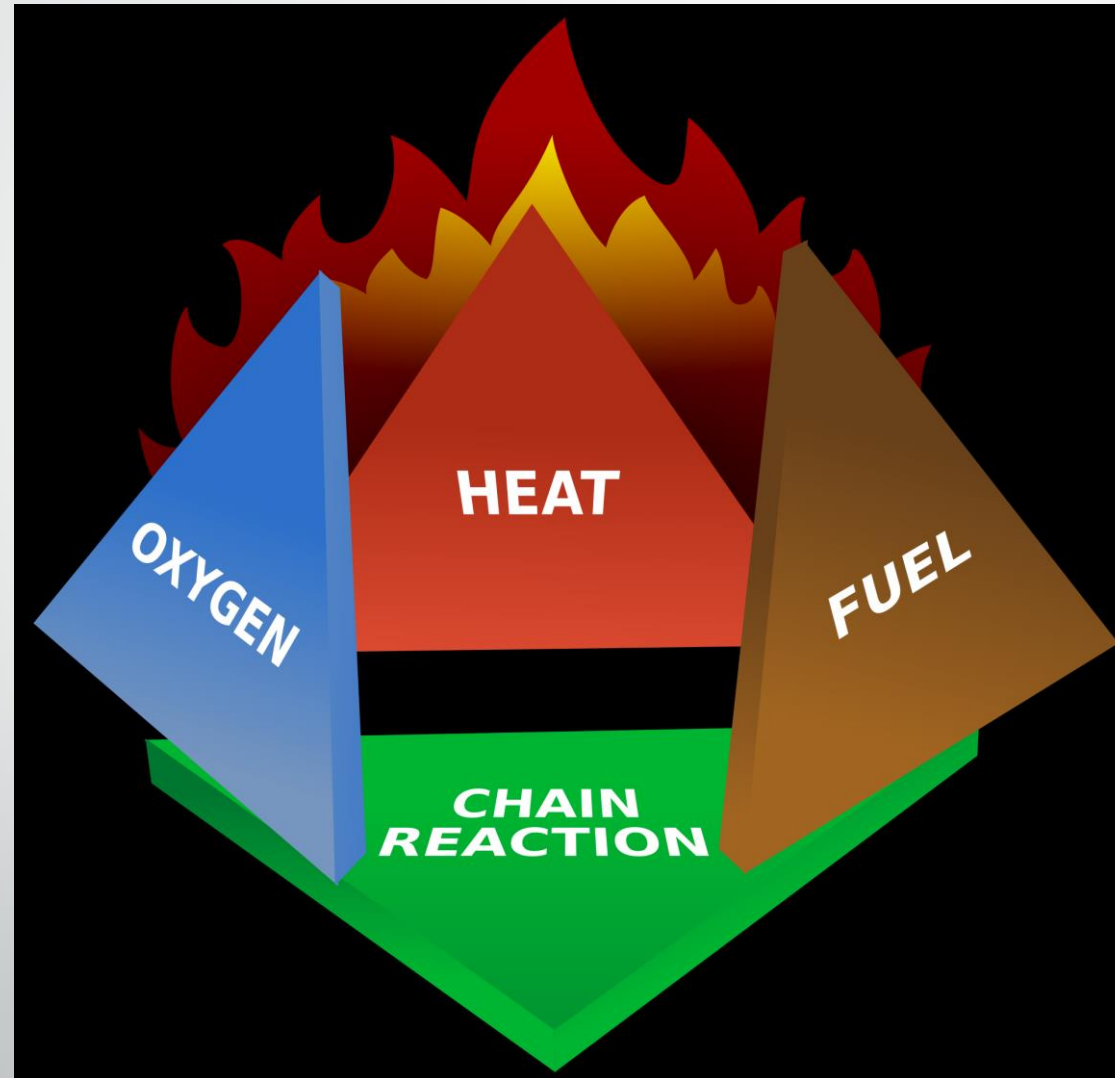
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TOPICS

- What is fire?

- What is needed for fire to burn?

- How is fire extinguished?

- What are the classes of fire extinguishers and ratings?

- Common types of fire extinguishers and the symbols?

- What's the right one for my 4x4?

- How to use a fire extinguisher and maintenance.

What is Fire?

Fire is the visible effect of combustion – a rapid, self sustaining chemical chain reaction that releases heat and light.

What is needed for fire to burn?

How is fire extinguished?

- Cool what's burning.
- Smother it.
- Remove the fuel.
- Stop the chemical chain reaction.

Classes of Fire Extinguishers

There are three <u>basic</u> classes of fire extinguishers:

- Class A – fires involving ordinary combustibles such as wood, paper, clothing, carpet, plastic, and rubber.

- Class B – burning flammable liquids – gasoline, diesel, kerosene, motor oil, PS fluid.

- Class C –use on energized electrical equipment. Turn off the electricity then what class extinguisher can be used?

Common Types of Fire Extinguishers

- Pressurized Water

- CO$_2$

- Dry chemical

Fire Extinguisher Symbols

Ratings

- First number describes rating for ordinary combustibles: 1A is equivalent to 1.25 gallons of water

- Second number describes rating for flammable liquids: 10B would be able to extinguish 10 square feet of burning flammable liquid.

- The letter C means the extinguishing agent is non-conductive.

2A means?

1A:10B:C means?

5B:C means?

What's the right one for my 4x4?

How to use a fire extinguisher.

Your safety is first and foremost! Get out of your 4x4 and get away. Then, decide if you are going to use a fire extinguisher.

P   **P**ull the pin.

A   **A**im nozzle at base of fire standing about 10 feet away.

S   **S**queeze handles.

S   **S**weep fire with the agent.

Maintenance

- ✓ Pressure Gauge in the green?

- ✓ Hose and nozzle

- ✓ Tamper seal

- ✓ Safety pin

- ✓ Date of manufacture

- ✓ Fluff the dry chemical

- ✓ Overall condition

THANKS!