

FIRE EXTINGUISHERS

Nanogate North America LLC has provided portable fire extinguishers for employee use in the workplace, and is required to provide an educational program to familiarize employees with the general principles of fire extinguisher use and the hazards involved with incipient stage firefighting. This education program is required to be provided upon initial employment and annually thereafter.

Portable extinguishers shall be visually inspected monthly and subjected to an annual maintenance check.

Class A fires involve ordinary combustibles such as paper, wood, cloth, and some rubber and plastic materials. Class B fires involve flammable or combustible liquids, flammable gases, greases and similar materials, and some rubber and plastic materials. Class C fires involve energized electrical equipment where safety to the employee requires the use of electrically nonconductive extinguishing media.

ABC fire extinguishers contain a multipurpose dry chemical which is approved for use on Class A, Class B and Class C fires. This type of extinguisher is located at dozens of locations throughout our facility. They have a pressure gauge and are stamped ABC on the side.

Carbon dioxide fire extinguishers are located near robots and electrical equipment. This type of extinguisher is most effective on Class B and Class C fires. They are preferred at certain locations because carbon dioxide does not leave a residue behind like ABC fire extinguishers do. Carbon dioxide fire extinguishers do not have a pressure gauge, but they do have a large horn at the end of the hose.

The proper use of fire extinguishers is often associated with the acronym PASS, which stands for **P**ull the pin, **A**im the end of the hose, **S**queeze the handle to activate the extinguisher, and **S**weep the end of the hose back and forth across the base of the fire.

Pulling the pin on an extinguisher breaks a thin plastic inspection tag, signaling that the extinguisher has been used and must be recharged. Used fire extinguishers are to be taken to the cabinet in the locker room off the front break room, and exchanged for a fresh extinguisher.

Employees are to use fire extinguishers only on small incipient stage fires, which are small enough to extinguish with a portable fire extinguisher. At all times, an employee fighting an incipient stage fire must have an escape route to safety. Employees who know how to use fire extinguishers must exercise good judgment to determine when it is appropriate to contact the fire department at 911.

Employees must be aware of where fire extinguishers are located in their work area. If not sure, contact EHS at (419) 521-0367 for assistance. Designated employees must be comfortable using

a fire extinguisher. If you are receiving this training and wish to activate a fire extinguisher for practice, please call (419) 521-0367. Several back-up extinguishers are available for this purpose.

I have reviewed this document and understand the appropriate use of fire extinguishers at Nanogate North America LLC. I am confident I know how to use a fire extinguisher correctly.

Employee Printed Name_____

Employee Signature_____

Date_____

Return completed form to EHS