



## Flammable Solids

A flammable solid is defined by the National Fire Protection Agency (NFPA) as a solid, other than a blasting agent or explosive, that is liable to cause fire through friction, absorption of moisture, spontaneous chemical change, or retained heat from manufacturing or processing, or that can be ignited readily and when ignited, burns so vigorously and persistently as to create a serious hazard.



Examples include paraformaldehyde.

## Personal Protective Equipment & Personnel Monitoring



Lab Coat

Flame resistant lab coat



Gloves

Nitrile gloves typically provide adequate protection. Consult with your PI or supervisor to determine whether any materials involved in your process require alternative hand protection.



Eye Protection

ANSI Z87.1-compliant safety glasses or safety goggles.

## Labeling & Storage

Flammable solids should be stored in a cool, dry location and separated from oxidizers and incompatible corrosives. It is advisable to keep them in a flammables cabinet or in a refrigerator rated for flammables storage.

## Engineering Controls, Equipment & Materials

### Fume Hood

It is advisable to use a fume hood when working with these materials. If the use of a fume hood is impossible or impractical, please contact the Office of Research Safety (ORS) to determine whether additional respiratory protection is required.

## Housekeeping

### Spills

Notify others in the area of the spill, including your supervisor. Eliminate all ignition sources and clean using spark proof tools. If they spill is beyond the lab's capabilities, evacuate the location where the spill occurred and call 911. Any exposure must be reported to ORS at 706-542-5288. Remain onsite at a safe distance to answer questions from first responders.

### Decontamination

Decontamination methods vary based on the materials handled and equipment being used. Please review the chemical Safety Data Sheet for guidance on cleaning materials.

### Waste

Any waste from this chemical class should be disposed of through the UGA Hazardous Waste Program. For assistance with arranging a waste pickup, you may

contact the Environmental Safety Division (ESD) at 706-542-5801. Prior to pickup, any container used to hold hazardous waste should be labeled with the following:

- "Hazardous Waste"
- chemical contents
- one or more of the following waste characteristics recognized by EPA: Ignitable, Corrosive, Reactive, or Toxic

In addition, any liquid hazardous waste must be stored in secondary containment trays until picked up by ESD.

### First Aid & Emergencies

<b>Fire</b>	Use a dry chemical or CO2 extinguisher to put out a small fire.
<b>Skin or Eye Contact</b>	Remove contaminated clothing and accessories; flush affected area with water. If symptoms persist, get medical attention.
<b>Inhalation</b>	Move person into fresh air. If symptoms persist, get medical attention.
<b>Ingestion</b>	Rinse mouth with water. If symptoms persist, get medical attention.