

**Forest Service Handbook  
National Headquarters - Washington Office  
Washington, DC**

**Forest Service Handbook 5109.16 – Fire Management Equipment, Supplies and Chemicals  
Chapter 20 – Fire Management Chemicals**

**Amendment:** 5109.16-2015-1

**Effective date:** April 08, 2015

**Duration:** This amendment is effective until superseded or removed.

**Approved by:** James E. Hubbard, Deputy Chief, S&PF

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**Responsible Staff:**

**Last Change:**

**Superseded Document(s):**

**Digest:** Following is an explanation of the changes throughout the directive by section.

**5109.16:** Establishes new handbook “FSH 5109.16, Fire Management Equipment, Supplies and Chemicals” and sets forth revises direction previously in FSM 5160.

**Zero Code:** Establishes codes and captions, and sets forth direction.

**10:** Establishes codes and captions for “Fire Management Equipment”, and sets forth direction.

**20:** Establishes codes and captions for “Fire Management Chemicals”, and sets forth direction.

**30:** Establishes codes and captions for “Emergency Lighting and Siren Equipment”, and sets forth direction.

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## **21 - Safety**

### **21.1 - Safety Guidelines**

Follow these guidelines when working with fire chemicals:

1. The Material Safety Data Sheet for each specific product.
2. The Interagency Standards for Fire and Fire Aviation Operations (sec. 6.1b).
3. The Interagency Base Operation Guide (IABOG), available from the Great Basin Cache.
4. The Health and Safety Code Handbook (FSH 6709.11).

Report health, safety, environmental, and operational concerns associated with a wildland fire chemical product on the qualified products list to the Washington Office, Director, Fire and Aviation Management Staff.

## **22 - Qualified Fire Chemicals**

### **22.1 - Operational Use**

For operational use in wildland firefighting, purchase and use only those fire chemicals that are listed on the qualified fire chemicals product list approved, maintained, and distributed by the Washington Office, Director, Fire and Aviation Management Staff.