

MATERIAL IDENTIFICATION and INFORMATION

Urea CAS# 57-13-6; Sodium Carbonate CAS# 5968-11-6
Hydrated Lime CAS# 12001-27-3; Vermiculite CAS# 1318-00-9

PHYSICAL and CHEMICAL CHARACTERISTICS (June 10, 2013)

| | |
|--------------------------|-------------------------------------|
| Boiling Point: N/A | Specific Gravity: 0.60 30 lb/cu ft |
| Vapor Pressure: N/A | Evaporation Rate: N/A |
| Solubility in water: 60% | Water Reactive: Very slight heating |
| Evaporation Rate: N/A | |

Appearance and Odor: Light gray powder 20-300 mesh

FIRE and EXPLOSION HAZARD

| | |
|---------------------------------------|---------------------------------|
| Flash Point: N/A | Extinguisher Medium: Water |
| Auto-Ignition Temperature: N/A | Flammability Limits in Air: N/A |
| Special Fire Fighting Procedure: None | |

Unusual Fire and Explosion Hazards: May form free ammonia gas upon heating

REACTIVITY HAZARD DATA

Stable. Conditions to avoid: Contact with strong acids;
Hazardous decomposition products: Ammonia gas vapor

HEALTH HAZARD DATA

Primary Route: Inhalation and skin contact.
Health Hazards: Irritation of eyes, skin, and mucous membranes. Stomach upset. Chronic: None.
Eye Contact: Flush with water. Skin Contact: Flush with water. Ingestion: Take citrus juices.
Inhalation: Remove to fresh air.

CONTROL and PROTECTIVE MEASURES

Use NIOSH respirator. Goggles and gloves. Other protective clothing as required in HazMat use.
Wash hands after using.

SAFE HANDLING and LEAK PROCEDURES

Spills: Sweep up. Waste Disposal: Sanitary landfill for unused material. Keep dry.

NFPA Rating: Health 1, Flammability 0, Reactivity 1