



MSDS Material Safety Data Sheet
Applegate R Foam
Spray-Dried Polymeric Resin

24 Hour Emergency Telephone - CHEMTREC: 1-800-424-9300

All non-emergency questions should be directed to Applegate Insulation Customer Service, 1-800-627-7536, for assistance.

1. Identification

Manufacturer's Name: cfiFOAM, Inc.
Manufacturer's Address: PO Box 10393, Knoxville, TN 37939
Product: Applegate R Foam Spray-Dried Polymeric Resin
Date Prepared: March 2009
Chemical Description: Powder Urea Formaldehyde Resin
Product Use: Foam-in-Place Insulation

2. Hazardous Ingredients

Hazardous Components:	PERCENT	TLV (Units)	OSHA PEL	CAS #
Formaldehyde	0.1-0.5%	0.3 ppm	2 ppm STEL .75 ppm TWA	50-00-0

3. Physical and Chemical Data

Boiling Point: n/a (solid)
pH (60% Solution): 8-9
Solubility in Water: Dispersible
% Moisture: <5%
Brookfield Visc. @ 75F: n/a (solid)
Specific Gravity: 0.75
Appearance and Odor: White Powder

4. Fire and Explosion Hazard Data

Flash Point:	n/a
Fire Point:	n/a—Very low risk of fire.
Extinguishing Media:	Water spray or mist, CO ₂ , dry chemical, foam.
Special Fire Fighting Procedures:	Wear a self-contained breathing apparatus with a full face-piece operated in pressure demand or other positive displacement mode.

5. Reactivity Data

Chemical Stability:	Normally stable, may become unstable at high temps.
Conditions to Avoid:	n/a
Incompatibility:	Strong oxidizers, caustics, strong alkalis, isocyanates and inorganic acids.
Decomposition Products:	Carbon dioxide, carbon monoxide and oxides of nitrogen may be released during a fire.
Hazardous Polymerization:	Will Not Occur

6. Health Hazard Data

Threshold Limit Value:	Not established for powder. TLV of formaldehyde is 0.3 ppm.
First Aid Procedures:	Eyes: Promptly wash eyes with lots of water while lifting the eyelids. Contact physician if irritation persists. Skin: Wash the affected skin with soap and water. Inhalation: Move to fresh air. Ingestion: Promptly drink lots of water to dilute the swallowed chemical. Do not induce vomiting. Get medical attention immediately.
Acute and Chronic Over-Exposure Effects:	Mild dermatitis; allergic skin rash. Irritation to eyes and mucous membranes.
Carcinogenicity Information:	Formaldehyde is a suspected human carcinogen according to NTP.

7. Spill or Leak Procedure

For Spill:	Salvage as much material as possible by shoveling into dry containers. Cover and remove to dry area.
Waste Disposal Method:	Dispose of only by methods approved by and used in accord with local, state, and federal regulations. When cured, the resin may be disposed of in an ordinary landfill.

8. Protective Equipment and Other Control Measures

Respiratory Protection:	Dust mask to avoid dust inhalation.
Protective Gloves:	Neoprene or other chemical resistant gloves.
Eye Protection:	Safety glasses, goggles or face shield.
Personal Protection Eqpt:	Protective clothing as required.

9. Special Precautions

Storage Information:	Keep in cool, dry, ventilated storage area. Store in sealed packages.
Usage Precautions:	Ventilate well. Avoid breathing dust. Use approved respirator if the air is contaminated above acceptable levels. When reconstituted with water, the product must be considered a suspected human carcinogen with possible risk of irreversible effect.
DOT Hazard Class:	n/a
DOT Shipping Name:	Powdered Resin
DOT Placard:	None required
UN Number:	n/a
NA Number:	n/a

All data are believed to be correct, however, this should not be accepted as a guarantee of their accuracy without confirming tests in your own plant or laboratory. The data relates only to the material as supplied and does not relate to combinations with other materials or processes.