

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB. No. 1218-0072



CS31 Heater Coil Smoke Powder

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the spaces must be marked to indicate that.

Manufacturer's Name Theatre Effects	Emergency Telephone Number 301-491-1387
Address (Number, Street, City, State, and ZIP Code) 642 Frederick Street	Telephone Number for Information 301-791-7646
Hagerstown, Maryland 21740-6815	Date Prepared 9/8/99
	Signature of Preparer (optional)

[illegible]

Boiling Point	968°F or 520°C		Specific Gravity (H ₂ O = 1)	Powder	
Vapor Pressure (mm Hg.)	N/A		Melting Point	N/A	
Vapor Density (AIR = 1)	Unknown		Evaporation Rate (Butyl Acetate = 1)	Unknown	
Solubility in Water	39%				
Appearance and Odor	White crystalline powder, odorless				

Flash point (Method used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	Noncombustible. Use extinguishing media appropriate for fire source.						
Special Fire Fighting Procedures	Firefighters should use NIOSH approved SCBA & full protective equipment when fighting chemical fire.						
Unusual Fire and Explosion Hazards	Fire or excessive heat may cause production of hazardous decomposition products.						

Section V — REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	N/A
	Stable	X		
Incompatibility (<i>Materials to Avoid</i>) Alkalies, Ammonia is released. Acids, Hydrogen Chloride is released. Nitrates, potentially explosive combinations form.				
Hazardous Decomposition or Byproducts Ammonia and Hydrogen Chloride gases.				
Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

Section VI — Health Hazard Data

Route(s) of Entry:	X	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
Health Hazards (<i>Acute and Chronic</i>) Ammonium Chloride is irritating to body tissues.							
Dusts will irritate the upper respiratory tract causing coughing.							
Carcinogenicity:	No	NTP?	No	ARC Monographs?	No	OSHA Regulated?	No
Signs and Symptoms of Exposure Eye: Irritation Skin: Irritation, possible dermatitis. Inhaled: Respiratory irritation, coughing, choking, large quantities may be toxic. Ingested: Irritation of mouth & throat.							
Sufficient quantity will produce nausea, vomiting, acidosis.							
Medical Conditions Generally Aggravated by Exposure None given							
Emergency and First Aid Procedures Eye: Flush with water 15 minutes, hold lid open. Skin: Wash with soap and water. Remove contaminated clothing and laundry before reuse. Inhaled: Remove to fresh air. Restore breathing if necessary. Ingested: Do not induce vomiting. Give 2 large glasses of milk or water and get immediate medical care. Give nothing by mouth if unconscious. If irritation persists or is severe, see a doctor.							

Section VII — Precautions for Safe Handling and Use

Steps to Be taken in Case Material is Released or Spilled	Sweep, vacuum or otherwise collect, being careful not to raise dust.
Waste Disposal Method	Dispose I/A/W all federal, state and local regulations. Manufacturer makes no suggestion of disposal method.
Precautions to be Taken in Handling and Storing	Store in a cool, dry area, protected from moisture.
Other Precautions	None

Section VIII — Control Measures

Respiratory Protection (<i>Specify Type</i>)		Special	None
Respirator will not normally be necessary. Use NIOSH/MSHA approved air supplied respirator or			
respirator for dust/mist if exposure is above the TLV/PEL. See 29 CFR			
1910.134 for regulations pertaining to respirator use.			
Ventilation	Local Exhaust	Normal room ventilation is sufficient. Supplement with local exhaust if PEL/TLV is exceeded.	
	Mechanical (<i>General</i>)	None	
Protective Gloves	Yes	Eye Protection	Safety glasses or splash goggles
Other Protective Clothing or Equipment Safety shower and eye wash station, work clothing to protect against skin contact.			
Work/Hygienic Practices Use good chemical hygiene practice. Avoid unnecessary contact.			