

Emergency Telephone	Day: 800-878-9593
	Night: 800-878-9593

HAZARDOUS INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	Other
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Almandite and Pyrope Garnet	1302-62-1	not established	10mg/m3	
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Physical/Chemical Characteristics

Boiling Point	NA	Melting Point	1,315 C
Vapor Pressure	NA	Evaporation Rate	NA
Vapor Density	NA	Specific Gravity	3.9-4.1
Appearance & Odor	Red, Pink, Whitish Grains or Powders		
Solubility in Water	Not soluble		

Precautions For Safe Handling and use

Flash Point	>Non-flammable solid
Flammable Limits	LEL: not available UEL: not available
Extinguishing Media	Use appropriate extinguishing media for surrounding fire.
Special Fire Fighting Procedures	Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. No skin should be exposed
Unusual Fire and Explosion Hazards	None

Reactivity Data

Stability	Stable
Stability Conditions To avoid	Not Applicable
Incompatibility (materials to avoid)	None known
Hazardous Decomposition Products	None known
Hazardous Polymerization	Polymerization can not occur

Health Hazard Data

Routes Of Entry	Skin contact, Inhalation
Health Hazards	<i>Skin:</i> abrasions; <i>Eyes:</i> Eye Irritation <i>Ingestion:</i> No known effects, however ingestion not recommended <i>Inhalation:</i> Respiratory Irritation of nasal and respiratory tract
Signs and Symptoms of Exposure	<i>Skin:</i> Reddening, Swelling, Rash, Blistering, Scaling <i>Ingestion:</i> Dizziness, Weakness <i>Inhalation:</i> Burning in nose & throat, Chest pains <i>Eyes:</i> Pain, tearing, Reddening, Swelling
Medical Conditions Aggravated By Exposure	Chronic respiratory disease may be aggravated by exposure to nuisance dust.
Emergency and First Aid Procedures	<i>Skin:</i> Thoroughly wash exposed area with soap and water. <i>Ingestion:</i> Obtain first aid or medical assistance, if needed. <i>Inhalation:</i> Remove to fresh air, if breathing is difficult administer oxygen, obtain medical assistance, if needed <i>Eyes:</i> Flush with large amounts of water. Obtain medical assistance if needed.

Precautions For Safe Handling and use

Spillage	Sweep or vacuum up material for disposal or recovery.
Waste Disposal	Dispose of in accordance with local, state and federal regulations. Material contaminated in use may require special disposal requirements.
Precautions For Handling and Storage	Store in tightly closed containers in cool dry place. Avoid high temperatures and ignition sources
Hygiene Practices	Do not eat, drink, smoke when using. Remove contaminated cloths and wash before reuse. Wash hands and exposed skin with soap and water.

Control Measures

Respiratory Protection	If needed use a NIOSH/MSHA approved dust respirator, cartridge, or mask.
Ventilation	Provide sufficient mechanical (General and/or Local Exhaust) ventilation to maintain dust exposure below threshold limit value (TLV)
Other Protective Measures	Provide all workers with permeation resistant gloves (butyl rubber), safety glasses. Cover as much skin as possible.