

Material Safety Data Sheet

HMIS

Health	0
Flammability	0
Reactivity	0
Personal Protection	E

Last Review 01/28/08

I. Identification

EPA #:67197-3	
Product Name: Perma-Guard Garden and Plant Insecticide	D-21
Chemical Name:	Chemical Family: SILICATES
Formula: SI02-AL2 3-FE2 3-CA0	20% Pyrethrin-piperonyl butoxide
EPA #:67197-3	

II. Ingredients

Mineral or Chemical Name(s)	Weight %	CAS #
Amorphous Silica - Natural Diatomite	86.00%-90.0%	61790-53-2
Pyretherin	0.09%-0.11%	8003-34-7
Isopararffinic-petroleum Solvent	0.36%-0.44%	647472-47-83
Piperonyl-butoxide-technical*	0.90%-1.10%	51-03-06
*(Equivalent to min. 0.8% butylcarbutyl-6propylpiperonyl ether and 0.2% related compounds)		

III. Physical Data

Boiling Point:	N/A	Freezing Point:	N/A
Vapor Pressure:	N/A	Vapor Density:	N/A
Evaporation Rate:	N/A	% Volatile:	NONE
Specific Gravity:	C	Solubility in Water:	SLIGHTLY
Appearance and Odor:	A SOFT EARTHY POWDER		

IV. Health Hazard Data

Flash Point:	None	Flammable Limits:	None
Extinguishing Media:	None		
Special Fire Fighting Procedures:	None		
Unusual Fire and Explosion Hazards:	None		

Threshold Limit Value: 10MG/M3 Total Dust: Nuisance Dust
Possible Effects of a Single overexpose

Acute Accidental Exposure would be non-specific.
Inhalation Symptoms might include coughing, wheezing, difficult Breathing and Upper Respiratory Tract Irritation.

Skin Contact	No Known Concern
Eye Contact	May Cause temporary discomfort and irritation
Ingestion	No Known Hazard

Possible Effects of Repeated Overexposure

Chronic Overexposure May Cause Pneumoconiosis (dusty lungs)

-No Known Hazard-

Emergency and First Aid Procedures

<i>INHALATION</i>	<i>Remove to fresh air. If breathing is difficult, oxygen and call a physician</i>
<i>SKIN CONTACT</i>	<i>Of no general concern. Simply wash with soap and water.</i>
<i>EYE CONTACT</i>	<i>For acute exposure, flush with water. IF irritation or discomfort persists, call a physician.</i>

Ingestion *No Known Hazard.*

Notes to Physician

There are no specific antidotes to acute overexposure. Treatment should be directed at control of the symptoms.

V. Reactivity Data

<i>Stability: Inert</i>	<i>Incompatibility: None</i>
<i>Hazardous Decomposition Products</i>	<i>None</i>
<i>Hazardous polymerization:</i>	<i>None</i>
<i>Conditions to avoid:</i>	<i>None</i>

VI. Spill or Leak Procedures

<i>Steps to be taken if material is released or spilled</i>	<i>Vacuum Clean or Wet Sweep Spillage</i>
<i>Waste Disposal Method</i>	<i>Waste should be disposed of in closed containers to prevent dust.</i>

VII. Special Protection Information

<i>Respiratory Protection</i>	<i>Approved dust respirators for exposure to potentially high dust environments.</i>
<i>Ventilation</i>	<i>Local Exhaust Ventilation Recommended.</i>
<i>Protective gloves</i>	<i>Not Required</i>
<i>Eye Protection</i>	<i>Safety Glasses</i>
<i>Other Protective Equipment</i>	<i>Not Required</i>

VIII. Special Precautions

<i>Precautions to be taken in handling and storage</i>
<i>As with all powders, limit the creation and inhalation of dust.</i>
<i>Wet floor may become extremely slippery when diatomite is present.</i>

IX. Additional Precautions

Emergency Telephone Numbers

Medical: (801)295-2025 Technical: (801)295-2025