

Material Safety Data Sheet

HMIS

|                     |          |
|---------------------|----------|
| Health              | <u>0</u> |
| Flammability        | <u>0</u> |
| Reactivity          | <u>0</u> |
| Personal Protection | <u>E</u> |

Last Review 4-28-00

I. Identification

Product Name: Perma-Guard Pet and Animal Insecticide D-20 (67197-5)  
 Chemical Name: \_\_\_\_\_ Chemical Family: SILICATES  
 Formula: SI02-AL2 3-FE2 3-CAO 20% Pyrethrin-piperonyl butoxide  
 EPA #:67197-5

II. Ingredients

| Mineral or Chemical Name(s)  | Weight %     | CAS #        |
|--|--------------|--------------|
| Amorphous Silica - Natural Diatomite   | 86.00%-90.0% | 61790-53-2   |
| Pyretherin   | 0.18%-0.22%  | 8003-34-7    |
| Isopararffinic-petroleum Solvent   | 0.70%-0.90%  | 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

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

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

|                                  |                       |
|----------------------------------|-----------------------|
| Stability: Inert                 | Incompatibility: None |
| Hazardous Decomposition Products | None                  |
| Hazardous polymerization:        | None                  |
| Conditions to avoid:             | None                  |

VI. Spill or Leak Procedures

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

VII. Special Protection Information

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

VIII. Special PrecautionsPrecautions to be taken in handling and storage

As with all powders, limit the creation and inhalation of dust.  
Wet floor may become extremely slippery when diatomite is present.

IX. Additional PrecautionsEmergency Telephone Numbers

Medical: (801)295-2025

Technical: (801)295-2025