

MATERIAL SAFETY DATA SHEET

Date revised: 11/4/2010



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name(s): **PERMA-GUARD GRAIN AND SEED STORAGE INSECTICIDE D-10**

EPA Registration No. : 67197-1

Generic Name: Natural Diatomaceous earth

CAS: 61790-53-2

Chemical Name: Amorphous Silica

EINECS: 3102127-6

Manufacturer: Perma-Guard, Inc.

Formula: SIO

Address: 625 East, 2150 South

Emergency: CHEMTREC-USA (800) 424-9300

City: Bountiful State: UT Zip: 84010

**International: (703) 527-3887
(Collect)**

2. COMPOSITION INFORMATION

INGREDIENT Name:	CAS Number:	%	PEL and TLV (except as noted)
NATURAL DIATOMACEOUS EARTH (DE) AMORPHOUS SILICA	61790-53-2	100	Diatomaceous Earth (uncalcined) 6 mg/M ³ TOTAL DUST, MSHA 10 mg/M ³ TOTAL DUST, ACGIH

3. HAZARD IDENTIFICATION

Summary: PROLONGED AND REPEATED EXPOSURE TO EXCESSIVE CONCENTRATIONS OF THIS PRODUCT DUST, OR ANY NUISANCE DUST, CAN CAUSE CHRONIC PULMONARY DISEASE. DUST CONTACT WITH EYES MAY CAUSE TEMPORARY SCRATCHINESS OR REDNESS. THIS PRODUCT HAS NOT BEEN CLASSIFIED AS A CARCINOGEN BY NTP OR IARC.

Medical Conditions which may be aggravated: PRE- EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS. BUT NOT LIMITED TO BRONCHITIS, EMPHYSEMA AND ASTHMA.

Target Organ(s): LUNGS, EYES

Acute health Effects: TRANSITORY UPPER RESPIRATORY OR EYE IRRITATION.

Chronic Health Effects: PROLONGED AND REPEATED EXPOSURES TO EXCESSIVE CONCENTRATIONS OF PRODUCT DUST, IN EXCESS OF THE PEL/TLV, CAN CAUSE CHRONIC PULMONARY DISEASE.

Primary Entry Route(s): INHALATION, DUST CONTACT WITH EYES.

Inhalation: IRRITATION AND SORENESS IN THROAT & NOSE. IN EXTREME EXPOSURES SOME CONGESTION MAY OCCUR.

Eyes: TEMPORARY IRRITATION OR INFLAMMATION.

Skin Contact: NA Skin Absorption: NA Ingestion: NOT HAZARDOUS WHEN INGESTED

4. FIRST AID MEASURES

Inhalation: REMOVE TO FRESH AIR. DRINK WATER TO CLEAR THROAT AND BLOW NOSE TO EVACUATE DUST.

Eyes: FLUSH EYES WITH LARGE QUANTITIES OF WATER. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

Skin Contact: NA

Skin Absorption: NA

Ingestion: NOT HAZARDOUS WHEN INGESTED

5. FIRE FIGHTING MEASURES

Flash Point: (Method): NON FLAMMABLE

NFPA Flammable/Combustible Liquid Classification: NA

Flammable Limits: LEL: NA

UEL: NA

Auto-Ignition Temperature: NA

Extinguishing Media: NA

Unusual Fire or Explosive Hazards: NONE

Special Fire-Fighting Procedures: NONE

6. ACCIDENTAL RELEASE MEASURES

Procedures for Spill/Leak: VACUUM/CLEAN DUST WITH EQUIPMENT FITTED WITH A HEPA FILTER. USE A DUST SUPPRESSANT SUCH AS WATER IF SWEEPING IS NECESSARY.

7. HANDLING AND STORAGE

Minimize Dust generation and accumulation. Avoid Breathing Dust. Avoid contact with eyes. Seal broken bags immediately. Continue to follow all MSDS label warnings when handling empty containers.

