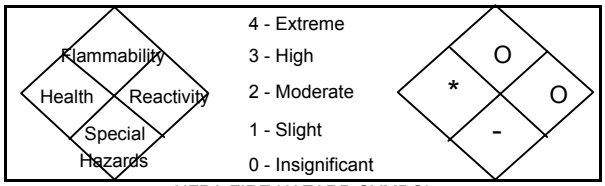

NFPA FIRE HAZARD SYMBOL
See NFPA 704 for detailed explanation.
* See Section 3 HAZARD IDENTIFICATION

Material Safety Data Sheet

No.: 0001 **Rev No.: 03**
Rev Date: 2/15/2005

INSECTO

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME(S): : INSECTO An Insecticide for Control of Grain Insects and House Insects

GENERIC NAME : NATURAL DIATOMACEOUS EARTH **CAS:** 61790-53-2
CHEMICAL NAME : SILICA **EINECS:** 310-127-6
MANUFACTURER : Natural Insecto Products, Inc. **FORMULA:** SiO2
ADDRESS : 221 Sherwood Pl, PO Box 12138 **TELEPHONE:** 949-548-4275
CITY : Costa Mesa **STATE:** CA **ZIP:** 92627 **EMERGENCY:** CHEMTREC-USA 800-424-9300
Int'l (703) 527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PEL AND TLV (except as noted)
NATURAL DIATOMACEOUS EARTH (DE) - AMORPHOUS SILICA	61790-53-2	90	
THIS PRODUCT MAY CONTAIN UP TO 6.3% CRYSTALLINE SILICA:			
CRISTOBALITE	14464-46-1	< 2.7	.05mg/M^3 RESPIRABLE CRISTOBALITE, OSHA
QUARTZ	14808-60-7	< 3.6	.1mg/M^3 RESPIRABLE QUARTZ, OSHA

3. HAZARD IDENTIFICATION

Summary: THIS PRODUCT CONTAINS CRYSTALLINE SILICA (CS), WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED INHALATION OF CS AS CARCINOGENIC FOR HUMANS (GROUP 1). CS IS LISTED BY NTP AS A KNOWN HUMAN CARCINOGEN. INHALATION OF CS IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE.

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 : INHALATION OF CRYSTALLINE SILICA HAS BEEN CLASSIFIED BY IARC AS CARCINOGENIC FOR HUMANS (GROUP 1). INHALATION OF CRYSTALLINE SILICA IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE CAUSED BY EXCESSIVE EXPOSURE TO CRYSTALLINE SILICA.

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

Inhalation : IRRITATION AND SORENESS IN THROAT AND NOSE. IN EXTREME EXPOSURES, SOME CONGESTION MAY OCCUR.
Eyes : TEMPORARY IRRITATION OR INFLAMMATION
Skin Contact : N/A **Skin Absorption** : N/A **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 : N/A **Skin Absorption** : N/A **Ingestion:** N/A

5. FIRE FIGHTING MEASURES

Flash Point (Method) : NONFLAMMABLE **NFPA Flammable / Combustible Liquid Classification** : N/A
Flammable Limits : **LEL:** N/A **UEL:** N/A **Auto-Ignition Temperature** : N/A
Extinguishing Media : N/A **Special Fire-Fighting Procedures** : NONE
Unusual Fire or Explosion Hazards: NONE

6. ACCIDENTIAL RELEASE MEASURES

Procedures for Spill / Leak : VACUUM CLEAN DUST WITH EQUIPMENT FITTED WITH 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Goggles : GOGGLES OR SAAFETY GLASSES WITH SIDESHIELDS ARE RECOMMENDED.
Gloves : NOT NORMALLY REQUIRED.
Respirator : <10X PEL, USE AN N95 QUARTER- OR HALF-MASK RESPIRATOR; <50X PEL, USE A FULL-FACE RESPIRATOR EQUIPPED WITH N95 FILETERS; <200X PEL, USE A POWERED AIR PURIFYING RESPIRATOR (POSITIVE PRESSURE) WITH N95 FILTERS; >200X PEL, USE A FULL-FACE, TYPE C SUPPLIED-AIR RESPIRATOR (CONTINUOUS FLOW MODE).
Ventilation : USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO KEEP DUST LEVEL BELOW PEL.
Other: Special Considerations for Repair/Maintenance of Contaminated Equipment: INSURE PROPER RESPIRATORY PROTECTION.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	:	FINE GRAY POWER; NO ODOR					
Boiling Point	:	N/A	**Evaporation Rate (= 1)**	:	N/A	**Specific Gravity (Water = 1)**	: 2.3
Vapor Pressure	:	N/A	**Melting Point**	:	ND	**% Volatile by Volume**	: NIL
Water Solubility (%)	:	NEGLIGIBLE	**Vapor Density (Air = 1)**	:	N/A	**pH**	: 5-10

10. STABILITY AND REACTIVITY

MATERIAL IS STABLE; HAZARDOUS POLYMERIZATION CANNOT OCCUR.
Chemical Incompatibilities : HYDROFLUORIC ACID **Conditions to Avoid** : NONE IN DESIGNED USE

11. TOXICOLOGICAL INFORMATION

Summary : THIS PRODUCT CONTAINS CRYSTALLINE SILICA (CS), WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED CS AS CARCINOGENIC FOR HUMANS (GROUP 1). CS IS LISTED BY NTP AS A KNOWN HUMAN CARCINOGEN. CS IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE.

12. ECOLOGICAL INFORMATION

GENERALLY CONSIDERED CHEMICALLY INERT IN THE ENVIRONMENT. USED MATERIAL WHICH HAS BECOME CONTAMINATED MAY HAVE SIGNIFICANTLY DIFFERENT CHARACTERISTICS BASED ON THE CONTAMINANT AND SHOULD BE EVALUATED ACCORDINGLY.

13. DISPOSAL CONSIDERATIONS

WASTE IS NOT HAZARDOUS AS DEFINED BY RCRA (40 CFR 261). OTHER STATE AND LOCAL REGULATIONS MAY VARY; CONSULT LOCAL AGENCIES AS NEEDED. USED MATERIAL WHICH HAS BECOME CONTAMINATED MAY HAVE SIGNIFICANTLY DIFFERENT CHARACTERISTICS BASED ON THE CONTAMINANTS AND SHOULD BE EVALUATED ACCORDINGLY.

14. TRANSPORTATION INFORMATION

D.O.T. Proper Shipping Name : EARTH, DIATOMACEOUS, CRUDE OR GROUND
Reportable Quantities : N/A
UN (United Nations) / NA (North America) Number : N/A **Hazard Classification** : NOT CLASSIFIED

15. REGULATORY INFORMATION

OSHA Hazard Communications Standard, 29 CFR 1910.1200 : MATERIAL IS CONSIDERED HAZARDOUS; SEE SECTION 3.
RCRA : THIS MATERIAL IS NOT DEFINED AS HAZARDOUS WASTE PER 40 CFR 261.
TSCA : THIS MATERIAL IS LISTED IN THE TSCA INVENTORY, AND IS NOT OTHERWISE REGULATED BY TSCA SEC. 4, 5, 6, 7 OR 12.
CERCLA : MATERIAL IS NOT REPORTABLEUNDER CERCLA; LOCAL REQUIREMENTS MAY VARY.
SARA : 311/312 HAZARD CATAGORIES - IMMEDIATE AND DELAYED HEALTH; 313 REPORTABLE INGREDIENTS - NONE.
Canada : THIS PRODUCT IS LISTED ON THE DSL.
California Proposition 65 : THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. OTHER INFORMATION

Storage Segregation Hazard Classes : N/A
Special Handling / Storage : REPAIR ALL BROKEN BAGS IMMEDIATELY
Special Workplace Engineering Controls : ADEQUATE VENTILATION TO KEEP DUST LEVEL BELOW PEL

PREPARED / REVISED BY: JIM HUBER **TITLE: PRESIDENT**

AS OF THE DATE OF PREPARATION OF THIS DOCUMENT, THE FOREGOING INFORMATION IS BELIEVED TO BE ACCURATE AND IS PROVIDED IN GOOD FAITH TO COMPLY WITH APPLICABLE FEDERAL AND STATE LAW(S); HOWEVER, NO WARRANTY OR REPRESENTATION WITH RESPECT TO SUCH INFORMATION IS INTENDED OR GIVEN.