Diatomaceous Earth Insecticide

MATERIAL SAFETY DATA SHEET

10/13/08

This material is an insecticide and is used to control insect pests in stored grain, grain handling machinery and storage facilities and in domestic applications where insect infestations occur.

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Winfield Solutions, LLC
P.O. Box 64589
St. Paul, MN 55164-0589

In Case of Emergency
Call 1-800-424-9300 (CHEMTREC, 24 hours)
OR Medical Emergency Call 1-877-424-7452

PRODUCT NAME - DRYACIDE OTHER NAMES: Diatomaceous earth, amorphous silica
CHEMICAL FAMILY - MIXTURE
CHEMICAL FORMULA - MIXTURE
EPA REGISTRATION NUMBER – 1381-239
DRYACIDE® is a registered trademark of Winfield Solutions, LLC

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS Number	Conc by Wt.	Exposure Limits
Natural Diatomaceous Earth	61790-53-2	>90% w/w	
Dryacide(respirable dust) (OSHA)			1.5mg/m^3
Dryacide(total dust) (OSHA)			4.6mg/m^3
Silica gel	112926-00-8	<10% w/w	10mg/m^3
Crystalline silica (as contaminant of DE)		<0.1% w/w	
As quartz	14808-60-7	<0.1%	0.10 mg/m^3 (respirable)
As Cristobalite	14464-46-1	not detectable	0.05 mg/m^3 (respirable)

The diatomaceous earth in this product is predominately of an amorphous structure.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Off-white to beige colored powder that is not toxic to humans. When used according to directions, there is no toxicity hazard involved in the use of DRYACIDE. The material is practically harmless when swallowed. Prolonged exposure to the dust may cause mild eye and skin irritations in some susceptible people. Note: Prolonged and continuous exposure to excessive concentrations of dust of any kind may have an adverse pulmonary effect on some people.

Primary Route of Entry - Inhalation
EYES - May cause mild irritation

DRYACIDE is exempt from the following Hazardous Chemicals lists: UN Number - none assigned, Hazchem Code - exempt, Codex International - exempt, Poisons Schedule - no listing.

SECTION 4. FIRST AID MEASURES
EYES - Flush with Plenty of water. Contact a physician if irritation persists.
SKIN - Remove contaminated clothing and wash affected areas with soap and water.
INGESTION - Drink one or two glasses of water and contact a physician if breathing difficulty persists.
INHALATION - Move person to fresh air.
Pre-existing upper respiratory and lung disease such as, but not limited to Bronchitis, Emphysema and Asthma

SECTION 5 FIRE FIGHTING MEASURES
This material is a non-flammable solid and presents no explosion hazard.

SECTION 6. ACCIDENTAL RELEASE MEASURES
Spilled or leaked material should be removed with a vacuum or swept into a container for reclamation or disposal. Wash residues away with water.

SECTION 7. HANDLING and STORAGE
Storage considerations - Store in original sealed or resealed bags in a dry place. Keep dry.
Handling precautions - minimize inhalation. Use a dust mask and goggles when prolonged storage to the dust is unavoidable.

SECTION 8. EXPOSURE CONTROLS and PERSONAL PROTECTION
EYE / FACE Protection - Safety Glasses
SKIN Protection - None. If dry skin is annoying, wear impervious gloves.
RESPIRATORY Protection - Use a dust mask.

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES
APPEARANCE - White to Beige colored powder SPECIFIC GRAVITY 2.3
ODOR - None
PHYSICAL STATE - SOLID
PACKAGING DENSITY 15-18 lbs per cubic ft.
SOLUBILITY (in Water) - Insoluble
PARTICLE SIZE 7- 20 microns

SECTION 10. STABILITY and REACTIVITY
STABILITY - STABLE
HAZARDOUS POLYMERIZATION - will not occur

SECTION 11. TOXICOLOGICAL INFORMATION
EYE EFFECTS - mild to non-irritating
SKIN EFFECTS - Non-irritating; negligible absorption

SECTION 12. ECOLOGICAL INFORMATION
This is a natural material and should not be considered polluting to streams, lakes or general ground areas.

SECTION 13. DISPOSAL CONSIDERATIONS
Spilled or leaked material - vacuum or sweep into an approved waste container. Dispose of packaging bags in an approved waste disposal container or facility. Discharge excess slurry onto absorbent ground or soil.

SECTION 14. TRANSPORT INFORMATION
Not DOT regulated.
Shipped in poly lined double or triple kraft paper bags weighing 25 pounds or 15 kilos.

SECTION 15. REGULATORY INFORMATION
Hazardous Substance - No

SECTION 16. OTHER INFORMATION
The EPA has listed diatomaceous earth on a deregulate process but has not given an indication when the material will be deregulated.

DISCLAIMER: This information is provided in good faith but without expressed or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label directions.