

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY
0	Least			Not regulated by the U.S. DOT as a hazardous material. See Section 14 for additional information.
1	Slight	1	Health	
2	Moderate	0	Flammability	
3	High	0	Reactivity	
4	Severe			

SECTION 1: IDENTIFICATION	
Product Name: Dryacide® 100 EPA Registration #: 69261-3-1381 Product ID/Unity #: 10128648 Common Name: Diatomaceous Earth Chemical Description: Diatomaceous Earth Recommended Uses: Fertilizer product – See product label for full directions for use. Restrictions for Use: See product label for any potential restrictions on use.	
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Blackish-brown granules with no noticeable odor. Particles may cause mechanical irritation to the eyes. Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling the product.	
POTENTIAL HEALTH EFFECTS: Eyes: Moderately irritating to eyes. Skin: May cause mild skin irritation. Inhalation: Inhalation of dust may cause mild irritation of the upper respiratory tract. Ingestion: May cause upset of the gastric system. Preexisting Conditions: None known Chronic Health Effects: Long-term inhalation of coal dust may cause silicosis, a progressive, disabling and sometimes fatal lung disease, and/or coal miner's pneumoconiosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: This product does not meet the definition of a hazardous substance under OSHA's Hazard Communication Standard.	
SIGNAL WORD: CAUTION: Keep out of reach of children.	
HAZARD STATEMENTS: None required. Percent of product with unknown toxicity: 0% PRECAUTIONARY STATEMENTS: Prevention: See Section 8 for personal protective equipment. Response: See Section 4 for first aid information. Storage: See Section 7 for storage information. Disposal: See Section 13 for disposal information.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Amorphous Silica – Natural Diatomite		
Silicon Dioxide (approx. 90%)		7631-86-9
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion:	Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow.
Eyes:	Flush eyes with clean water for 15-20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water for 15-20 minutes and then wash with soap and water. Seek medical attention if irritation persists.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, dry extinguishing media, carbon dioxide, water spray.

Special Fire Fighting Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. If product is heated above decomposition temperature, no toxic vapors will be released.

Hazardous Combustion Products: Not self-igniting

Unusual Fire and Explosion Hazards: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental Precautions: Do not discharge into the subsoil/soil. Do not discharge into d rains/surface water/groundwater. Contain contaminated water/firefighting water. A spill of, or in excess, of the reportable quantity requires notification to state, local and national emergency authorities. This product is not regulated by CERCLA ('Superfund').

Methods for Clean-up: Dike spillage. Sweep/shovel up. Avoid raising dust. Use wet cleaning methods when applicable. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

Other Information: None known

SECTION 7: HANDLING AND STORAGE

Handling: Avoid breathing dust. Use only outdoors or in a well-ventilated area. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Storage: Store in a cool, dry area away from children, feed and food products. Store away from incompatible materials. Protect packaging from physical damage. Protect from exposure to fire conditions.

Minimum Storage Temperature: Not applicable

Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Amorphous silica – Natural Diatomite	20 mg/m ³ , TWA 0.8mg/m ³		
Silicon dioxide	TWA 6 mg/m ³		
Respiratory Protection: In dust generating conditions, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for silica bearing dust.			
Engineering Controls: Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.			
Protective Gloves: Wear chemically protective gloves to prevent exposure to skin.			
Eye Protection: Wear chemical goggles or safety glasses and full face shield. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily available to the work area.			
Other Protective Clothing or Equipment: Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.			
Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Solid, powder	Specific Gravity (H₂O=1):	2.2
Vapor Pressure (mm Hg):	Not determined	Bulk Density:	0.035 kg/m ³
Vapor Density (Air=1):	Not applicable	Melting Point/Freezing Point:	Not applicable
Solubility in Water (wt %):	Nil	Boiling Point/Range:	1400 F
Viscosity:	Not applicable	pH:	3.2 – 4.0
Appearance and odor:	Bright, white powder with no noticeable odor	Flash Point:	Non combustible

SECTION 10: STABILITY AND REACTIVITY	
Reactivity: None known	
Chemical Stability: Product is stable at room temperature in closed containers under normal storage and handling conditions.	
Possibility of Hazardous Reactions: Will not occur.	
Conditions to Avoid: Avoid contamination.	
Incompatible Materials: Strong acids, avoid contact with hydrofluoric acid. Heat may be generated.	
Hazardous Decomposition Products: None.	

SECTION 11: TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY	
Eye Effects:	Moderate irritation.
Skin Effects:	No known concern
Acute Inhalation Effects:	May cause coughing, wheezing, difficult breathing and upper respiratory tract infection.
Acute Oral Effects:	Not determined
Specific Target Organ Toxicity:	None known
CHRONIC TOXICITY	
Chronic Effects:	Long-term inhalation of coal dust may cause silicosis, a progressive, disabling and sometimes fatal lung disease, and/or coal miner's pneumoconiosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.
Carcinogenicity:	No component is anticipated to have carcinogenic effects.
Mutagenicity:	No component is anticipated to have mutagenic effects.
Teratogenicity:	No component is anticipated to have teratogenic effects.
Reproductive Toxicity:	No component is anticipated to have effects on the reproductive system.

Continued on next page

POTENTIAL HEALTH EFFECTS:

Eyes: May cause mild irritation.

Skin: May cause mild skin irritation.

Inhalation: Inhalation of dust may cause mild irritation of the upper respiratory tract.

Ingestion: May cause upset of the gastric system.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Not determined

ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity: Not determined

Aquatic Invertebrate Acute Toxicity: Not determined

Aquatic Plant Toxicity: Not determined

Bird Acute and Prolonged Toxicity: Not determined

Honeybee Toxicity: Not determined

ENVIRONMENTAL EFFECTS:

Soil Absorption/Mobility: Not determined

Persistence and degradability: Not determined

Bioaccumulative Potential: Not determined

Other adverse effects: Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste: Dispose of in accordance with applicable Federal, state and local laws and regulations.

Container: Ensure all product has been emptied from the sack/bag. Dispose of emptied container in accordance with applicable Federal, state and local laws and regulations.

RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

SECTION 14: TRANSPORT INFORMATION

DOT: This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment.

IMDG: Not determined

IATA: Not determined

TDG: Not determined

SECTION 15: REGULATORY INFORMATION

TSCA Inventory: This product is regulated under FIFRA and is thus exempt from TSCA requirements.

SARA Title III Information:

Section 302 - Extremely hazardous substances: None listed

Section 311/312 - Hazard Categories: None

Section 313 - The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:
None listed

CERCLA - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):
None listed

California Proposition 65: This product may contain chemicals known to the state of California to cause cancer and birth defects or reproductive harm.

Continued on next page

U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):

Chemical Name

CAS #

State(s)

No components are listed

Canadian Domestic Substances List: Not determined

WHMIS Classification: This product is not approved for use in Canada. WHMIS classification is not determined.

SECTION 16: OTHER

Disclaimer: The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

Revision Date: March 15, 2016

Supersedes document dated: 8/6/2010

Sections Revised: 2-15, minor updates