



Safety Data Sheet

Dryacide CIK

Revision date: 2016, May 5
Replaces: 2011, November 28

1. Product and Company Identification

Company

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

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
Medical Emergency: 1-877-424-7452

Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (CST)

Synonyms: Diatomaceous earth

2 Hazards Identification

Emergency overview

CAUTION:

Moderately irritating to the eyes.
Avoid contact with the skin, eyes and clothing.
Avoid inhalation of dusts.
Wash thoroughly after handling.

See Product Label for additional precautionary statements.

State of matter: solid
Color: white
Odor: none

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Relatively nontoxic after single ingestion. Slightly toxic after short-term skin contact. Relatively nontoxic after short-term inhalation.

Irritation / corrosion:

May cause slight but temporary irritation to the eyes. May cause slight irritation to the skin.

Sensitization:

No sensitizing effect.

Chronic toxicity:

Carcinogenicity: In long-term animal studies in which the substance was given in high doses by feed, a carcinogenic effect was not observed. The product has been tested for crystalline silica. This natural Diatomaceous Earth has measured levels of less than 0.1% crystalline silica as Quartz, Cristobalite, Tridymite. Levels are therefore less than the OSHA concentration limit of 0.1%.

Reproductive toxicity: The results of animal studies gave no indication of a fertility impairing effect.

Genotoxicity: No mutagenic effect was found in various tests with bacteria and mammals.

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	<u>Chemical name</u>
61790-53-2	100.0%	Diatomaceous Earth

4. First-Aid Measures

General advice:

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

If Inhaled:

Remove the affected individual into fresh air and keep the person calm.

If on skin:

Rinse skin immediately with plenty of water for 15-20 minutes.

If in eyes:

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

If swallowed:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Have person sip a glass of water if able to swallow.

5. Fire-Fighting Measures

Information on: Kiese/guhr

Flash point: not applicable

Self-ignition temperature: not self-igniting

Suitable extinguishing media:

foam, dry extinguishing media, carbon dioxide, water spray

Hazards during fire-fighting:

If product is heated above decomposition temperature, no toxic vapors will be released.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further Information:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

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 drains/surface waters/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').

Cleanup:

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.

7. Handling and Storage

Handling**General advice:**

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapors. Wear suitable personal protective clothing and equipment.

Protection against fire and explosion:

The relevant fire protection measures should be noted.

Storage**General advice:**

Keep only in the original container in a cool, dry, well-ventilated place. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

Storage incompatibility:

General advice: Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Storage stability:

May be kept indefinitely if stored properly. If an expiry date is mentioned on the packaging/label this takes priority over the statements on storage duration in this safety data sheet.

8. Exposure Controls and Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

Components with workplace control parameters

Diatomaceous Earth	OSHA	TWA value 20 millions of particles per cubic foot TWA value 0.8 mg/m ³ : The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
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Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

Personal protective equipment

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Workplace should be equipped with a shower and an eyewash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form:	fine powder
Odor:	none
Color:	white
Melting point:	760 °C 1,400 °F
Bulk density:	0.035 kg/m ³
Solubility in water:	not soluble

10. Stability and Reactivity

Conditions to avoid:

Avoid contamination.

Substances to avoid:

strong acids

Hazardous reactions:

The product is chemically stable.

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

Stable at ambient temperature.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 401)

Inhalation:

Type of value: LCO

Species: rat

Value: > 0.139 mg/l (OECD Guideline 403)

Exposure time: 4 h

Dermal:

Type of value: LD50

Species: rabbit

Value: > 5,000 mg/kg

Irritation /Corrosion: Non Corrosive

Skin:

Species: rabbit

Result: non-irritant

Method: OECD Guideline
404

Eye:

Species: rabbtt
Result: slight-irritant
Method: OECD Guideline 405

Sensitization:

Buehler test
Species: guinea pig
Result: Non-sensitizing.

12. Ecological Information

Fish**Acute:**

OECD Guideline 203 Brachydanio rerio/LC50 (96 h): > 10,000 mg/l
The details of the toxic effect relate to the nominal concentration. Tested above maximum solubility. The product has not been tested. The statement has been derived from products of a similar structure and composition.

Aquatic invertebrates**Acute:**

OECD Guideline 202, part 1 Daphnia magna/EC50 (24 h): > 10,000 mg/l
The details of the toxic effect relate to the nominal concentration. Tested above maximum solubility. The product has not been tested. The statement has been derived from products of a similar structure and composition.

Aquatic plants

Toxicity to aquatic plants:

ISO 8692 static
green algae/EC50 (72 h): 440 mg/l

The details of the toxic effect relate to the nominal concentration. The product has not been tested. The statement has been derived from products of a similar structure and composition.

13. Disposal considerations

Waste disposal of substance:

Pesticide wastes are regulated. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container disposal:

Rinse thoroughly at least three times (triple rinse) in accordance with EPA recommendations. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

Crop Protection TSCA, US released / exempt

EPCRA 311/312 (Hazard categories): Non Hazardous

D.O.T.: Class 55 Non Hazardous

16. Other Information

Refer to product label for EPA registration number.

Recommended use: insecticide

Winfield Solutions, LLC values the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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