

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER	DEsect® Diatomaceous Earth Insecticide
CHEMICAL NAME	Diatomaceous Earth
CHEMICAL FAMILY	Silica
MATERIAL USE	Insecticide
RESTRICTION ON USE	Activities inconsistent with its labeling.
MANUFACTURER	EP Minerals, LLC., 9785 Gateway Dr., Reno, NV 89521
TELEPHONE NO.	(775) 824 7600 (Monday – Friday 8:00 am PST – 5:00 pm PST)
EMERGENCY TELEPHONE NO.	(775) 824 7600 (Monday – Friday 8:00 am PST – 5:00 pm PST)
SDS DATE OF PREPARATION	July 8, 2021

SECTION 2: HAZARDS IDENTIFICATION

OSHA GHS HAZARD CLASSIFICATION	Not classified as hazardous
HAZARDS NOT OTHERWISE CLASSIFIED	None
LABEL ELEMENTS	No GHS labeling required

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT IDENTIFICATION	APPROXIMATE CONCENTRATION (%)	C.A.S. NUMBERS	EINECS
Diatomaceous Earth, (kieselguhr)	100%	61790-53-2 or 7631-86-9	231-545-4

SECTION 4: FIRST AID MEASURES

EYE	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
SKIN	Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
INGESTION	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
INHALATION	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
Most important symptoms/effects, acute and delayed	Dust may cause abrasive irritation to eyes. Prolonged skin contact may cause dryness. Dust may cause nose, throat and upper respiratory tract irritation. Prolonged inhalation of high concentration of dust may cause lung effects.
Indication of immediate medical attention and special treatment, if necessary	Immediate medical attention is not normally required. If dust irritates the eyes, seek medical attention. Have product container or label with you when calling a poison control center or doctor, or going for treatment.

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SECTION 5: FIRE FIGHTING MEASURES				
EXTINGUISHING MEDIA	Not applicable, the material is not combustible.			
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Not applicable, the material is not combustible.			
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS	Not applicable, the material is not combustible.			
SECTION 6: ACCIDENTAL RELEASE MEASURES				
PERSONAL PRECAUTIONS	If dust is present, use respirator fitted with particulate filter as specified in Section 8. Protect eyes with goggles.			
ENVIRONMENTAL PRECAUTIONS	This material is not a significant environmental concern.			
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	Vacuum clean spillage, wet sweep or wash away. Avoid creating dust. Place in a container for use or disposal.			
SECTION 7: HANDLING AND STORAGE				
PRECAUTIONS FOR SAFE HANDLING	Minimize dust generation. Avoid contact with eyes. Avoid breathing dust. Repair or dispose of broken bags. Observe all label precautions and warnings.			
CONDITIONS FOR SAFE STORAGE	Store in a cool dry place to maintain packaging integrity and product quality. Do not store near hydrofluoric acid or strongly basic solutions.			
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION				
EXPOSURE GUIDELINES:				
Component	OSHA PEL	ACGIH TLV	MSHA PEL	NIOSH REL
Diatomaceous Earth, (kieselguhr)	$\frac{80 \text{ mg/m}^3}{\% \text{ SiO}_2}$ total dust	None Established	5 mg/m ³	6 mg/m ³
ENGINEERING CONTROLS	Use general or local exhaust ventilation to control dust within recommended exposure limits. Refer to ACGIH publication "Industrial Ventilation" or similar publications for design of ventilation systems.			
PERSONAL PROTECTIVE EQUIPMENT:				
EYE / FACE PROTECTION	Goggles to protect from dust			
SKIN PROTECTION	No special equipment is needed.			
RESPIRATORY PROTECTION	If the exposure limits are exceeded, a NIOSH approved respirator appropriate for the form and concentration of the contaminants should be used. For example, if the dust concentration is less than ten (10) times the Permissible Exposure Limit (PEL), use a quarter or half-mask respirator with an N95 dust filter or a single-use dust mask rated N95. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134; or in Canada with CSA Standard Z94.4 and good industrial hygiene practice.			
GENERAL HYGIENE	Avoid breathing dust. Avoid contact with eyes. Wash hands after handling and before eating or drinking.			

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE, COLOR	Buff to off white powder	ODOR	Odorless
PHYSICAL STATE	Solid	ODOR THRESHOLD	Not applicable
VAPOR PRESSURE	Not applicable	VAPOR DENSITY	Not applicable
BOILING POINT	Not applicable	MELTING POINT	> 1300° C
FLASH POINT	Not applicable	pH (10% SUSPENSION)	6-8
FLAMMABILITY LIMITS	Not applicable	EVAPORATION RATE	Not applicable
DECOMPOSITION TEMPERATURE	> 1300° C	SPEC. GRAVITY / RELATIVE DENSITY	2.0
AUTOIGNITION TEMPERATURE	Not applicable	PARTITION COEFFICIENT – n-OCTANOL/WATER	Not applicable
FLAMMABILITY (solid/gas)	Not applicable	SOLUBILITY – WATER	< 2%
		VISCOSITY	Not applicable

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Material is not reactive.
CHEMICAL STABILITY	Material is stable.
POSSIBILITY OF HAZARDOUS REACTIONS	Material is not reactive under normal conditions us use.
CONDITIONS TO AVOID	Not applicable
INCOMPATIBLE MATERIALS	Products containing silica may react violently with hydrofluoric acid and strongly basic solutions.
HAZARDOUS DECOMPOSITION PRODUCTS	Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS	
Likely Routes of Exposure	See below
EYE	May cause irritation (tear formation and redness) if dust gets in eyes.
SKIN	Not absorbed by the skin, but may cause dryness if prolonged exposure.
INGESTION	Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of the mouth, throat and stomach.
INHALATION	Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation.
CHRONIC EFFECTS	Chronic inhalation of dust in excess of the Permissible Exposure Limit (PEL) established by OSHA over a prolonged number of years may cause lung changes.
NTP	Diatomaceous Earth is not classified as a carcinogen.
IARC	Diatomaceous Earth is not classifiable as to carcinogenicity in humans (Group 3).
NUMERICAL MEASURES OF TOXICITY	No data available
CORROSIVENESS, SENSITIZATION, IRRITANCY	Not applicable
REPRODUCTIVE TOXICITY	Not available
TERATOGENICITY, MUTAGENICITY	Not available

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Diatomaceous earth products have shown some efficacy as an insecticide, but otherwise have no demonstrated toxicity in regards to aquatic or terrestrial life. For terrestrial use: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.
PERSISTENCE AND DEGRADABILITY	Non-biodegradable, inert.
BIOACCUMULATIVE POTENTIAL	Little potential for bioaccumulation
MOBILITY IN SOIL	No mobility
OTHER ADVERSE EFFECTS	None known

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	If this material as supplied becomes a waste, use solid waste disposal common to landfill type operations or in slurry to sumps. Not considered a hazardous waste under RCRA (40CFR Part 261).
PACKAGING DISPOSAL	Dispose of in accordance with applicable laws and regulations, typically solid waste disposal common to landfill type operations.
CONTAINER HANDLING	Non refillable container. Do not reuse or refill this container. If empty: Place in trash can or offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions

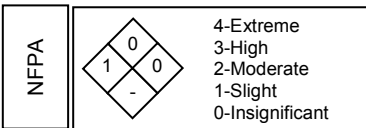
SECTION 14: TRANSPORT INFORMATION

BASIC SHIPPING INFORMATION	DOT shipping classification 55 (no restrictions). Technical name is "Diatomaceous Earth".
ADDITIONAL INFORMATION	No special requirements or placarding necessary.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL:	
TSCA	Diatomaceous Earth appears on the EPA TSCA inventory list.
CERCLA	Diatomaceous Earth is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR 302.
SARA TITLE III	Not listed.
FIFRA Hazard Information	<p>This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:</p> <p>Caution Causes moderate eye irritation Sensitivities may occur after using ANY pesticide product for pets</p>

SECTION 16: OTHER INFORMATION

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REVISION DATE	July 8, 2021						
REVISION NO.	3						

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