



SAFETY DATA SHEET

1. Identification

Product Name: PurifiDE® XG-12

Product Code:

SDS Date:

Address: BVV
1251 Frontenac Rd. Ste 150
Naperville IL 60563

Phone: (331) 281-0154

CHEMTEL: (800) 255-3924

2. Hazard(s) Identification

GHS Hazard Classification

Not Classified as Hazardous

Hazards Not Otherwise Classified: None

3. Composition/Information On Ingredients

| Name | CAS# | % | EINECS |
|--------------------|------------|------|-----------|
| Diatomaceous Earth | 61790-53-2 | 100% | 612-383-7 |

4. First-aid Measures

If Inhaled: Remove to fresh air. Blow nose to evacuate dust.

In Case of Skin Contact: Use moisture renewing lotions if dryness occurs

In Case of Eye Contact: Flush eyes with generous quantities of water or eye rinse solution. Consult physician if irritation persists.

If Swallowed: Drink generous amounts of water to reduce bulk and drying effects.

Most Important Symptoms and Effects, Both 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.

Indications of Any Immediate Medical Attention and Special Treatment Needed:

Immediate medical attention is not normally required. If dust irritates the eyes seek medical attention.

5. Fire-fighting Measures

Extinguishing Media:

Not applicable, this material is not combustible.

Special Hazards Arising from the Chemical:

Not applicable, this material is not combustible.

Special Firefighting Procedure:

Not applicable, this material is not combustible.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

If dust is present, use respirator fitted with particulate filter as specified in Section 8. Protect eyes with goggles.

Environmental Hazards:

This material is not a significant environmental concern.

Methods and Material for Containment and Cleaning Up:

Vacuum clean spillage, wet sweep or wash away. Avoid creating dust. Place in a container for use or disposal.

7. Handling and Storage

Safe Handling:

Minimize dust generation. Avoid contact with eyes. Avoid breathing dust. Repair or dispose of broken bags. Observe all label precautions and warnings.

Safe Storage:

Store in a dry place to maintain packaging integrity and product quality. Do not store near hydrofluoric acid or strongly basic solutions.

8. Exposure Controls/Personal Protection

| Name | OSHA PEL | MSHA PEL |
|-----------------------------------|-------------------------------------|-------------------------------------|
| Diatomaceous Earth- Nuisance Dust | 5 mg/m ³ respirable dust | 5 mg/m ³ respirable dust |
| | 15 g/m ³ total dust | 15 g/m ³ total dust |

Ventilation and Engineering Control:

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.

Eye/Face Protection:

Goggles to protect from dust

| | |
|--------------------------------|---|
| | Soggles 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 concentration is less the ten (10) times the Permissible Exposure Limited (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 and good industrial hygiene practice. |
| General Hygiene: | No special equipment is needed. |

9. Physical and Chemical Properties

| | | |
|---|--------------------|------------------------------------|
| Physical State: | PurifiDE® XG-12 | Solid |
| Odor: | PurifiDE® XG-12 | Odorless |
| Odor Threshold (PPM): | PurifiDE® XG-12 | Not Applicable |
| Appearance/Color: | PurifiDE® XG-12 | Light pink to gray to white powder |
| pH: | PurifiDE® XG-12 | 4-6 |
| Melting/Freezing Point (°C) | PurifiDE® XG-12 | > 1300°C |
| Boiling Point (°F) | PurifiDE® XG-12 | Not Applicable |
| Flash Point (°F) | PurifiDE® XG-12 | Not Applicable |
| Evaporation Rate (nBuAc=1) | PurifiDE® XG-12 | Not Applicable |
| Flammability (solid/gas) | PurifiDE® XG-12 | Not Applicable |
| Flammable Limits (in air by volume, %) | PurifiDE® XG-12 | Not Applicable |
| Vapor Pressure (mmHg) | PurifiDE® XG-12 | Not Applicable |
| Vapor Density (Air=1) | PurifiDE® XG-12 | Not Applicable |
| Solubility in Water (%) | PurifiDE® XG-12 | <1% |
| Partition Coefficient: octanol water | n- PurifiDE® XG-12 | Not Applicable |
| Autoignition Temperature | PurifiDE® XG-12 | Not Applicable |
| Decomposition Temperature | PurifiDE® XG-12 | 1300°C |
| Viscosity | PurifiDE® XG-12 | Not Applicable |
| Specific Gravity 4°c (Water=1) | PurifiDE® XG-12 | 2.3 |

10. Stability and Reactivity

| | |
|--|---------------------------|
| Reactivity: | Material is not reactive. |
| Chemical Stability: | Material is stable |
| Possibility of Hazardous Reactions: | Material is not reactive. |
| 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.

11. Toxicological Information

Toxicity Data:

Inhalation:

Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided.

Skin Contact:

Not absorbed by the skin, but may cause dryness if prolonged exposure.

Eye Contact:

May cause irritation (tear formation and redness) if dust gets in eyes.

Ingestion:

Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of the mouth, throat and stomach.

Carcinogenicity:

Diatomaceous Earth is not classified as a carcinogen.

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

Acute Toxicity Values:

No acute toxicity values.

12. Ecological Information

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Ecotoxicity:

Diatomaceous earth products have shown some efficacy as a natural insecticide, but otherwise have no demonstrated toxicity in regards to aquatic or terrestrial life.

Persistence and Degradability:

Non-biodegradable, inert.

Bioaccumulative Potential:

Little potential for bioaccumulation

Mobility in Soil:

No mobility

Other Adverse Effects:

None known

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.

14. Transportation Information

| | |
|------------------------|---------------|
| Proper Shipping Name: | Not Regulated |
| Hazard Class | Not Regulated |
| Identification Number: | Not Regulated |
| Packing Group: | Not Regulated |
| Label | Not Regulated |
| Ship: | Not Regulated |

15. Regulatory Information

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|---|--|
| SARA TITLE III | Not Listed |
| U.S. CERCLA REPORTABLE QUANTITY (RQ): | Diatomaceous Earth is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40CFR 302 |
| TSCA | Diatomaceous Earth appears on the EPA TSCA inventory List. |

16. Other Information, Including Date of Preparation or Last Revision

SDS Date:

Disclaimer: The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. OIL-DRI CORPORATION OF AMERICA MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCT and assumes no responsibility for any risk or liability arising