

PDE BIOSTICKS

SECTION 1: Identification

Product Identifier: PDE Biosticks

Article number: 4489

Other Means of Identification: None

Recommended Use: Water treatment

Restriction on Use: None

Initial supplier: Pure Dragon Environmental, 17387 108 Ave NW, Edmonton, Alberta, T5S 1G2

Identifier: as above

Emergency Telephone Number: Office 780 250-3500; After hours 780 399-0678

SECTION 2: Hazards Identification

Classification: Non-hazardous.

Label Elements: Non-hazardous.

Other Hazards: Mild to no irritation with eyes or skin contact and with ingestion or inhalation. Not corrosive but dust may cause slight irritation.

SECTION 3: Composition Information Ingredients

Chemical characterization: Mixtures

Dangerous components: Alkylamide hydrosate $\leq 2.5\%$

SECTION 4: First Aid Measures

General Information: Immediately remove any clothing soiled by the product.

Inhalation: Supply fresh air.

Skin Contact: Immediately rinse with water.

Eye Contact: Immediately flush with plenty of fresh water.

Ingestion: **Immediately contact a physician.** Drink lots of water. **Do not induce vomiting.** If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Most Important Symptoms and Effects, Acute and Delayed: No further information.

Immediate Medical Attention and Special Treatment: No further information.

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SECTION 5: Fire Fighting Measures

Extinguishing Media Suitable: Water spray, carbon dioxide, foam, or dry chemical. Fight larger fires with water spray or alcohol resistant foam.

Extinguishing Media Unsuitable: None.

Specific Hazards Arising from the Product: During heating or in case of fire - poisonous gases are produced.

Special Protective Equipment and Precautions for Fire-fighters: Do not inhale explosion gases or combustion gases. Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Avoid formation of dust.

Protective Equipment, and Emergency Procedures: Standard PPE, goggles, impervious protective clothing.

Environmental precautions: Do not allow to penetrate ground or soil. Pick up mechanically, Send for recovery or disposal in suitable receptacles.

SECTION 7: Handling and Storage

Precautions for Safe Handling: Ensure good ventilation / exhaustion at the workplace. Prevent formation of dust.

Condition for Safe Storage: Store only in the original receptacle. Prevent any seepage into the ground. Store away from oxidizing agents. Keep receptacle tightly sealed. Store in cool, dry conditions in well-sealed receptacles. Protect from heat and direct sunlight.

SECTION 8: Exposure Controls & Personal Protection

Appropriate Engineering Controls:

Eyes/Face Protection: Tightly sealed goggles.

Skin protection: Avoid direct skin exposure. Impervious protective clothing.

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SECTION 9: Physical and Chemical Properties

Appearance: Solid, white
Odour: Mild
Odour Threshold: None
pH: ~7 (value 10g/l at 20C)
Melting Point and Freezing Point: not determined
Evaporation Point: Solid, NA
Flammability: not determined
Explosive Limit: not determined
Vapour Pressure: NA
Vapour Density: Solid, NA
Relative Density (water =1): not determined
Soluble in Water: Yes
Soluble in Other Liquids: No
Partition Coefficient (n-Octanol/Water): not determined.
Auto-ignition: product is not self-igniting
Decomposition Temperature: not determined

SECTION 10: Stability and Reactivity

Reactivity: No further relevant information available.
Chemical Stability: No dangerous reactions known.
Incompatible Materials: strong oxidizing agents
Possible Hazardous Reaction: No further relevant information available
Hazardous Decomposition Products: Nitrogen oxides (NO_x), carbon monoxide, carbon dioxide

SECTION 11: Toxicological Information

Skin Corrosion/Irritation: None
Serious Eye Damage/Irritation: Mild irritation
STOT (Specific Target Organ Toxicity): None
Repeated Exposure: None
Respiratory and/or Skin Sensitization: None

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Carcinogenicity: None

SECTION 12: Ecological Information

Ecotoxicity: None

Persistence and Degradability: None. Natural plant product which will degrade like other plant material.

Bio-accumulative Potential: None

Mobility in Soil: None

Other Adverse Effects: Water hazard class 1 (self-assessment): slightly hazardous. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal Considerations

Do not dispose with household garbage. Do not allow product to reach sewage systems. Used, degraded, or contaminated product may be classified as hazardous waste.

SECTION 14: Transport Information

Non-Hazardous Material

Regulation	Un No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION 15: Regulatory Information

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated

OSHA Specifically Regulated Substances (29 CFR 1919.1001-1050): Not regulated

CERCLA Hazardous Substances List (40 CFR 302.4): Not Listed

TCSA Section xx 532-32-1 sodium benzoate, 7732-18-5 water, distilled, conductivity or of similar purity

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SECTION 16: Other Information

Date of Previous Revision: June 11, 2016