



Rev Date: May 1st, 2023

Section 1: Chemical Product and Company Identification

Product Name: Dustmitex
Manufacturer: The Ecology Works, Inc.
 3755 Fiscal Ct. Suite B
 West Palm Beach FL 33404

For information on the product: 888.353.2649
For Medical Emergency: 911 / 1 800 222 1222

HMIS Rating		
H	0	
F	0	
R	0	
PE	--	



Section 2: Hazard Identification

2.1 GHS Classification: This material is not considered hazardous by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Emergency Overview: Colorless liquid with mild fresh odor. Avoid contact with eyes. Keep out of reach of children.

HMIS Rating: Health: 0 **Flammability:** 0 **Reactivity:** 0 **PPE:** None

2.2 OVERVIEW: DUSTMITEX is a clear aqueous solution that is not flammable, combustible or explosive, and it presents no unusual hazard if involved in fire. DUSTMITEX presents little or no hazard (to humans) and has low acute oral and dermal toxicity.

2.3 POTENTIAL ECOLOGICAL EFFECTS: Large amounts of DUSTMITEX can be harmful to boron sensitive plants and other ecological systems.

2.4 POTENTIAL HEALTH EFFECTS: ROUTES OF EXPOSURE: Dermal exposure is not a concern because DUSTMITEX is not absorbed through intact skin.

2.5 INHALATION: Not a concern

2.6 INGESTION: Products containing DUSTMITEX are not intended for ingestion. DUSTMITEX has relatively low acute toxicity. Small amounts (e.g. one teaspoon) swallowed accidentally are not likely to cause effects, swallowing amounts larger than that may cause gastrointestinal symptoms.

2.7 EYE CONTACT: DUSTMITEX is non-irritating to eyes.

2.8 SKIN CONTACT: DUSTMITEX does not cause irritation to intact skin.

2.9 TARGET ORGANS: No target organ has been identified in humans. High dose animal ingestion studies indicate the testes are the target organs in male animals, though human studies have not shown such results.

SIGNS AND SYMPTOMS OF EXPOSURE: Symptoms of accidental over exposure to large amounts of DUSTMITEX have been associated with ingestion or by absorption through large areas of damaged skin. These include nausea, vomiting, and diarrhea with delayed effects of skin redness and peeling.

Section 3: Composition and Ingredient Information

	Commercial, Technical, Low Sulfate
Chemical Formula:	Na ₂ B ₈ O ₁₃ • 4H ₂ O
Chemical Name/synonyms:	Disodium Octaborate Tetrahydrate
Chemical Family:	Inorganic Borates
CAS Registry Number:	12008-03-4
TSCA Inventory Number:	12008-41-2
EPA registration number:	67419-4

Section 4: First Aid Measures

INHALATION: No specific treatment is necessary since DUSTMITEX is not likely to be hazardous by inhalation

EYE CONTACT: Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 30 minutes, seek medical attention.

SKIN CONTACT: Wash with soap and water.

INGESTION: Swallowing small amounts (ex. teaspoon) will cause no harm to healthy adults. If larger amounts are swallowed give two glasses of water to drink and seek medical attention.

NOTE TO PHYSICIANS: Observation only if for adult ingestion of less than 2 oz of DUSTMITEX. For ingestion in excess of 2 oz, maintain adequate kidney functions and force fluids. Gastric lavage is recommended for symptomatic patients only.

Hemodialysis should be reserved for massive acute ingestion or patients with renal failure. DUSTMITEX analysis of urine and blood are only useful for documenting exposure and should not be used to evaluate severity of poisoning or to guide treatment. (for further information: Litovitz T. L., Norman, S.A., Veltri, J.C., Annual Report of American Association of Poison Control Centers Data Collection System, Am J. Emerg. Med 1986; 4:427-458)

Section 5: Fire Fighting Measures

GENERAL HAZARD: NONE. DUSTMITEX is not flammable, combustible or explosive. The product itself is a flame retardant.

EXTINGUISHING MEDIA: Any fire extinguishing media may be used on nearby fires.

FLAMMABILITY CLASSIFICATION: (29 CFR 1910.1200) Non-flammable liquid.

GHS FLAMABILITY CLASSIFICATION: Division 1.4 Substances, mixtures and articles which present no significant hazard.

Section 6: Accidental Release Measures

GENERAL: DUSTMITEX is a clear aqueous solution that may cause damage to trees or vegetation that are boron sensitive plants by root absorption in higher quantities.

LAND SPILL: Vacuum, shovel or sweep up DUSTMITEX and place in containers for disposal in accordance with applicable local regulations. Avoid contamination of water bodies during clean up and disposal. No personal protective equipment is needed to clean up land spills.

Section 7: Handling and Storage

STORAGE TEMPERATURE: Room Temperature (72° F) above. Avoid freezing (40°C). **STORAGE PRESSURE:** Atmospheric

STORAGE CONDITIONS: Dry, indoor storage.

SHELF LIFE: DUSTMITEX is a clear aqueous solution of naturally occurring borate. It will not react or decompose and will last indefinitely under ideal conditions. Some settling may occur at low temperatures.

Section 8: Exposure Controls/Personal Protection

ENGINEERING CONTROLS: None required

PERSONAL PROTECTION: None required

OCCUPATION EXPOSURE LIMITS: None required

Section 9: Physical and Chemical Properties

APPEARANCE: Clear and odorless liquid.

SPECIFIC GRAVITY: 1.05

AVERAGE BULK DENSITY: 25-35 Pounds per cubic foot

pH: 8.0 (5% solutions) 7.6 (10% solution)

Freezing point: (40°F)

Section 10: Stability and Reactivity

CHEMICAL STABILITY: The product is stable.

CONDITIONS TO AVOID: Contact with strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: None

INCOMPATIBILITY WITH OTHER MATERIALS: Contact with strong acids

HAZARDOUS POLYMERIZATION: Will not occur

Section 11: Toxicological Information

PHYTOTOXICITY: Although boron is an essential micronutrient for healthy growth of plants, it can be harmful to boron-sensitive plants in higher quantities. Care should be taken to minimize the amount of DUSTMITEX released to the environment.

PERSISTENCE/DEGRADATION: Boron is naturally occurring and ubiquitous in the environment.

SOIL MOBILITY: DUSTMITEX is a clear liquid soluble in water and is leachable through normal soil.

Section 12: Ecological Information

Environmental Hazards: Not data available.

Environmental Fate: Not data available.

Section 13: Disposal Considerations

DISPOSAL GUIDANCE: Small quantities of DUSTMITEX can usually be disposed of at a Municipal Landfill sites. No special disposal treatment is required, but refer to state and local regulations for applicable site-specific requirement. Tonnage quantities of product are not recommended to be sent to landfills. Such product should be re-used for an appropriate application.

RCRA (40CFR 261): DUSTMITEX is not listed under any sections of the Federal Resource Conservation and Recovery Act. (RCRA).

Section 14: Transport Information

DOT HAZARDOUS MATERIAL CLASSIFICATION: DUSTMITEX is not a U.S. Department of Transportation (DOT) Hazardous Material.

DOT HAZARDOUS SUBSTANCES CLASSIFICATION: DUSTMITEX is not a DOT Hazardous substance.

INTERNATIONAL TRANSPORTATION: DUSTMITEX has no U.N. Number and is not regulated under any international rail, highway, water or air transport regulations.

Section 15 : Regulatory Information

RCRA: DUSTMITEX is not listed as hazardous waste under any sections of the Resource Conservation and Recovery Act Regulations (40 CFR 261 et. seq)

SUPERFUND: CERCLA/SARA DUSTMITEX is not listed under CERCLA or its 1986 amendments.

POTABLE WATER: DUSTMITEX is not regulated under SDWA, 42 USC 300g-1, 40 CFR 14q et seq. Consult state and local regulations for possible water quality.

IARC: The international agency of Research on Cancer (of the World Health Organization) does not list or categorize DUSTMITEX

CALIFORNIA PROPOSITION 65: DUSTMITEX is not listed on any Proposition 65 list of carcinogens or

Section 16 : Other Information

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