

MATERIAL SAFETY DATA SHEET

GreenMatch® EX

MSDS DATE: 05/04/09

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GreenMatch® EX

MANUFACTURER: Marrone Bio Innovations, Inc.
DIVISION:
ADDRESS: 2121 Second Street Suite B-107 Davis CA, 95618

EMERGENCY PHONE: Info Trac Chemical Response System 800 535 5053 (24 hours)
CHEMTREC PHONE:
OTHER CALLS: 530 750 2800 (9am to 5pm PST)
FAX PHONE:

PRODUCT USE: Exempt Herbicide for use in Organic Farming
REVISION DATE:: 11/21/2007

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

ACTIVE INGREDIENT:
Lemongrass Oil

<u>CAS NO.</u>	<u>% WT</u>	<u>EXPOSURE LIMITS</u>
8007-02-1	50	None Established

OTHER INGREDIENTS:
Water and Naturally Derived Surfactants

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Off White liquid with lemon scent.

POTENTIAL ROUTES OF ENTRY: Eyes, skin, inhalation and ingestion.

POTENTIAL HEALTH EFFECTS: Prolonged exposure to this product may cause skin irritation, eye/nasal irritation, dizziness, headache or nausea.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown

CARCINOGENICITY: Unknown, not expected to be carcinogenic. Ingredients are considered GRAS.

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a physician if irritation persists.

SKIN: Wash exposed area with soap and water for at least 15 minutes. Remove contaminated clothing. Call a physician if irritation persists.

MATERIAL SAFETY DATA SHEET

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INGESTION: Obtain medical attention as soon as possible. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

INHALATION: Remove person to ventilated area and follow normal first aid procedures.

SECTION 5: FIRE-FIGHTING MEASURES

IGNITIBILITY:

F: > 185

C: > 85

METHOD USED: SW 1010

BOILING POINT:

F: 185

C: 85

NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

SPECIAL FIRE FIGHTING PROCEDURES: Use Foam, Carbon Dioxide, or Dry Chemical extinguishers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, smoke, fumes, and hydrocarbons and terpenes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Components of this product are not considered EPA to be hazardous. If spilled, contain - prevent run off into drains and waterways. Absorb liquid with an inert absorbent material. Seal absorbent material in a closed labeled container and dispose of in accordance with local ordinances.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep containers closed when not in use

OTHER PRECAUTIONS: No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Spill controls should be provided for working with large quantities.

VENTILATION : Natural ventilation should be adequate under normal use conditions. Local exhaust ventilation is adequate for indoors or large quantities.

MATERIAL SAFETY DATA SHEET

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RESPIRATORY PROTECTION: Not required under normal use. For large volumes, use properly fitted half-face or full-face air-purifying respirators which are approved for organic vapors and aerosols.

EYE PROTECTION: Safety glasses or chemical goggles.

SKIN PROTECTION: Wear chemical-resistant gloves appropriate for terpenes.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.

WORK HYGIENE PRACTICES: Do not smoke or eat when handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Off white liquid

ODOR: Lemon scent

SPECIFIC GRAVITY (H₂O = 1): 0.93

SOLUBILITY IN WATER: Emulsifiable in Water

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: OTHER INFORMATION

DISCLAIMER: IN NO EVENT SHALL MARRONE BIO INNOVATIONS BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. THE DATA PROVIDED IS FOR GENERAL INFORMATION ONLY AND IS NOT INTENDED AS A COMPREHENSIVE GUIDE CONCERNING HAZARDS THAT MAY BE ASSOCIATED WITH THIS PRODUCT. USER ASSUMES ALL RESPONSIBILITY FOR FOLLOWING PROPER SAFETY PROTOCOL AND FOR CONSULTING TRAINED PERSONELL FOR CONTROL AND CONTAINMENT.