

# MATERIAL SAFETY DATA SHEET

## GROWTH ACTIVATOR/THATCH DEGRADER

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Growth Activator  
PRODUCT CODES:

SYNONYMS:

DISTRIBUTOR: Natural Technologies, Inc  
ADDRESS: 15 Dartmouth Drive, Suite 101 Auburn, NH 03032

DIVISION:

EMERGENCY PHONE: 603-587-0384  
FAX PHONE: 603-587-0236

CHEMTREC PHONE:

CHEMICAL NAME:  
CHEMICAL FORMULA:

CHEMICAL FAMILY:

GENERAL/GENERIC ID: Organic Soil Treatment

UPDATED ON: June 6, 2011

Section 1 NOTES:

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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**INGREDIENT:**

Component: None

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:			
OSHA PEL STEL:			
OSHA PEL CEILING:			
ACGIH TLV-TWA:			
ACGIH TLV STEL:			
ACGIH TLV CEILING:			

Section 2 NOTES:

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### SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:**

**ROUTES OF ENTRY:**

Inhalation: No                      Skin: No                      Ingestion: Unlikely

**POTENTIAL HEALTH EFFECTS**

EYES: May cause eye irritation.

SKIN: May cause skin irritation or dermatitis in sensitive individuals.

INGESTION:

INHALATION:

**CHRONIC AND ACUTE HEALTH HAZARDS:** Eye contact may cause irritation. Prolonged contact with skin may cause irritation or dermatitis in sensitive individuals.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None Known

**CARCINOGENICITY:** No

OSHA: No

NTP: No

IARC: No

OTHER:

Section 3 NOTES:

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### SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with water for 15 minutes. Get medical attention if irritation persists.

**SKIN:** Flush with water for 15 minutes. Get medical attention if irritation persists.

**INGESTION:** Do not induce vomiting, contact a physician or poison control center immediately. Offer small amounts of water or milk.

**INHALATION:**

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

**SIGNS AND SYMPTOMS OF EXPOSURE:** Eye irritation. Dry and/or red itchy skin.

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## GROWTH ACTIVATOR/THATCH DEGRADER

Section 4 NOTES:

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### SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR (% BY VOLUME): N/A    UPPER: N/A    LOWER: N/A  
FLASH POINT: None    F:    C:

METHOD USED:

AUTOIGNITION TEMPERATURE:    F:    C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1    FLAMMABILITY: 0    REACTIVITY: 0    OTHER:

Hazard Classification Key: 0- least, 1- slight, 2- moderate, 3- high, 4- extreme

EXTINGUISHING MEDIA: Water, water fog or foam.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section 5 NOTES:

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES:

SPILL STEPS: Contain spill and recover product for use or disposal.

Section 6 NOTES:

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### SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: Store in a cool, dry area. Keep container closed when not in use. Keep Out Of Reach Of Children.

OTHER PRECAUTIONS:

Section 7 NOTES:

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### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

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ENGINEERING CONTROLS:

VENTILATION: Adequate ventilation required to maintain a fresh airflow.

RESPIRATORY PROTECTION: If mist or dust conditions should be present use respirator approved by NIOSH.

EYE PROTECTION: Goggles or face shield.

SKIN (Hands, Arms, and Body) PROTECTION: Adequate clothing should be worn to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye bath, safety shower and oxygen mask.

WORK HYGIENIC PRACTICES: Wash all clothing before wearing. Wash all exposed skin surfaces with soap and water after using this product.

EXPOSURE GUIDELINES:

LOCAL EXHAUST: Adequate

Section 8 NOTES:

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Dark

ODOR: Slight Odor

PHYSICAL STATE: Liquid

pH OF CONCENTRATE: 6

BOILING POINT: 212 F

MELTING POINT:    F:    C:

FREEZING POINT:    F:    C:

VAPOR PRESSURE (mmHg): N/A

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## GROWTH ACTIVATOR/THATCH DEGRADER

VAPOR DENSITY (AIR = 1): < 1

SPECIFIC GRAVITY (H2O = 1): 1.25

EVAPORATION RATE: N/A

BASIS (=1):

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: Complete

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY:

@

F:

C:

Section 9 NOTES:

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### SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Product is stable.

CONDITIONS TO AVOID (STABILITY): None

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Acids or Alkali and strong Oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide and Carbon Dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None

Section 10 NOTES:

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### SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: N/A

Section 11 NOTES:

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### SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: N/A

Section 12 NOTES:

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### SECTION 13: DISPOSAL CONSIDERATIONS:

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WASTE DISPOSAL METHOD: If product can not be disposed of according to use directions on label. Dispose of in accordance with local, state, and federal regulations.

RCRA HAZARD CLASS:

Section 13 NOTES:

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### SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Non Toxic, Non Hazardous Liquid Fertilizer

HAZARD CLASS:

DOT SHIPPING CLASS: 70

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

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## GROWTH ACTIVATOR/THATCH DEGRADER

HAZARD CLASS:  
ID NUMBER:

PACKING GROUP:  
LABEL STATEMENTS:

AIR TRANSPORTATION  
PROPER SHIPPING NAME:

HAZARD CLASS:  
ID NUMBER:

PACKING GROUP:  
LABEL STATEMENTS:

OTHER AGENCIES:  
Section 14 NOTES:

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### SECTION 15: REGULATORY INFORMATION

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#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):  
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):  
311/312 HAZARD CATEGORIES:  
313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:  
INTERNATIONAL REGULATIONS:

Section 15 NOTES: Not Regulated.

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### SECTION 16: OTHER INFORMATION:

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OTHER INFORMATION:  
PREPARATION INFORMATION:

TO THE BEST OF OUR KNOWLEDGE THIS INFORMATION IS TRUE AND ACCURATE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING THIS PRODUCT SHALL MAKE HIS / HER OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR THEIR PARTICULAR PURPOSE. THIS INFORMATION IS PROVIDED IN GOOD FAITH BUT WITHOUT EXPRESSED OR IMPLIED WARRANTY. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO TAKE APPROPRIATE PRECAUTIONS.