

SAFETY DATA SHEET

INpHILTRATE Ultra

MSDS DATE:1/8/13
SUPERSEDES: 9/5/12

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:INpHILTRATE Ultra

MANUFACTURED FOR: Growing Solutions, Inc.
ADDRESS: 21719 S. Center Ave., Unit D, New Lenox, IL 60451

CHEMTREC (OR EMERGENCY) PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Nonionic copolymer
CHEMICAL FORMULA: Mixture

PRODUCT USE: Soil wetting agent

SECTION 1 NOTES: None

SECTION 2: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT/% VOL</u>	<u>SARA 313 REPORTABLE</u>	<u>OSHA TWA</u>	<u>OSHA STEL</u>	<u>Ceiling</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>	<u>Ceiling</u>
Ethylene oxide	75-21-8	<1 ppm	No	1 ppm	5ppm/15min		1 ppm		

SECTION 2 NOTES: Product does NOT contain any pesticides or pest control agents *See section 15

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation

POTENTIAL HEALTH EFFECTS

EYES: May cause temporary redness and/or irritation.

SKIN: May cause temporary redness and/or irritation.

INGESTION: Ingestion may result in diarrhea or weakness.

INHALATION: Mists may cause upper respiratory tract irritation.

ACUTE HEALTH HAZARDS: None known beyond above

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CARCINOGENICITY

OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** See section 15, State Regulations

SECTION 3 NOTES: None

SAFETY DATA SHEET

INpHILTRATE Ultra

MSDS DATE:1/8/13
SUPERSEDES: 9/5/12

SECTION 4: FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Product does NOT contain a pesticide or pest control product.

SECTION 4 NOTES: None

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Unknown
(% BY VOLUME) **LOWER:** Unknown

FLASH POINT:

F: >200

C: >93

METHOD USED:

PMCC

AUTOIGNITION TEMPERATURE:

Unknown

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **OTHER:** -

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **PROTECTION:** B

EXTINGUISHING MEDIA:

Water, carbon dioxide, dry chemical or foam

SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

SECTION 5 NOTES:

None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal.

SECTION 6 NOTES:

None

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep container tightly closed. Store in original container only. Do not add water to the contents of this container. Triple rinse container, empty rinse water into spray or stock tank. Dispose of empty containers in accordance with federal, state, and local law.

SECTION 7 NOTES:

None

SAFETY DATA SHEET

INpHILTRATE Ultra

MSDS DATE:1/8/13
SUPERSEDES: 9/5/12

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

RESPIRATORY PROTECTION: Not necessary unless ventilation is inadequate. Then use MSHA or NIOSH approved respirator, as appropriate.

EYE PROTECTION: Chemical splash goggles.

SKIN PROTECTION: Impermeable gloves, long sleeves, long pants, rubber apron

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash stations, safety showers

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES: None known

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to hazy viscous liquid

ODOR: Mild odor

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 3.4

pH (Other): Unknown

BOILING POINT:

F: Unknown

C: Unknown

MELTING POINT:

F: Unknown

C: Unknown

FREEZING POINT:

F: Unknown

C: Unknown

VAPOR PRESSURE (mmHg): Unknown

@

F:

C:

VAPOR DENSITY (AIR = 1): Unknown

@

F:

C:

SPECIFIC GRAVITY (H2O = 1): ~1.0

@

F: 68

C: 20

EVAPORATION RATE: Unknown

BASIS (butyl acetate=1):

SOLUBILITY IN WATER: Soluble

VISCOSITY: Unknown

@

F:

C:

SECTION 9 NOTES: None

SAFETY DATA SHEET

INpHILTRATE Ultra

MSDS DATE:1/8/13
SUPERSEDES: 9/5/12

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): None known

INCOMPATIBILITY (MATERIAL TO AVOID): None known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under fire conditions, oxides of carbon

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Material may be landfilled or burned if allowed by law. Stay out of smoke. Dispose of properly according to all laws and regulations

RCRA HAZARD CLASS: Not regulated

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Not regulated

HAZARD CLASS: Not regulated

ID NUMBER: Not regulated

PACKING GROUP: Not regulated

LABEL STATEMENT: Not regulated

SECTION 14 NOTES: None

SAFETY DATA SHEET

INpHILTRATE Ultra

MSDS DATE:1/8/13
SUPERSEDES: 9/5/12

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Chemical Name	CAS Number	Range in %	RQ
Residual ethylene oxide (typical)	75-21-8	<0.001	10

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Section 302/304 Extremely Hazardous Substances

Chemical Name	CAS Number	Range in %	TPQ	RQ
Residual ethylene oxide (typical)	75-21-8	<0.001	Below reportable concentrations	

311/312 HAZARD CATEGORIES:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard

313 REPORTABLE INGREDIENTS:

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

STATE REGULATIONS:

WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29) CFR 1910.1047).

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

PREPARATION INFORMATION: Prepared on 1/8/13

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

Growing Solutions, Inc.
21719 S. Center Ave., Unit D
New Lenox, IL 60451