



## Safety Data Sheet Clonex® Rooting Gel

### 1. Product and Company Identification

<b>Product Name</b>	Clonex® Rooting Gel EPA Reg. No.79664-1
<b>Other Product Name(s)</b>	None
<b>Product Use</b>	Viscous gel used to stimulate root growth on cuttings.
<b>Manufacturer</b>	Growth Technology Ltd., Great Western Way, Taunton TA2 6BX, UK +44(0) 845 430 3001
<b>Emergency Telephone Numbers</b>	CHEMTREC USA and Canada: 1-800-424 9300

### 2. Hazards Identification

**Emergency Overview:** A viscous liquid that can vary from purple to pale mauve or brown. May cause allergic skin reactions to sensitive individuals who have previously been in contact with the product. Not flammable.

<b>OSHA Regulatory Status</b>	Not hazardous
<b>OSHA Classification</b>	Not regulated
<b>OSHA Signal Word</b>	Warning
<b>OSHA Hazard Statements</b>	Keep out of the reach of children
<b>OSHA Precautionary Statements</b>	IF ON SKIN, wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Call a Poison Control Center of doctor if irritation develops. IF INGESTED: Call a Poison Control center or doctor Store in a well ventilated place. Keep container closed. Dispose of container in accordance with Federal and local regulations.
<b>OSHA Label Symbols</b>	None required
<b>Other Hazards Not Specified by OSHA</b>	None

**Note:** Label designed to meet FIFRA label requirements and contains other phrases than indicated above.

#### Potential Health Effects:

<b>Skin</b>	Prolonged contact may cause irritation but not a primary irritant.
<b>Eyes</b>	Prolonged contact may cause irritation but not a primary irritant.
<b>Ingestions</b>	Although unlikely to occur, product may upset stomach if swallowed.
<b>Inhalation</b>	Not anticipated to cause irritation but may bother some individuals.
<b>Chronic Effects</b>	None anticipated

Ingredients found on established carcinogen lists:

<b>Ingredient</b>	<b>NTP Status</b>	<b>IARC Statue</b>	<b>OSHA List</b>
No ingredients listed in this section	---	---	---

### 3. Composition / Information on Ingredients

Chemical Name	CAS #	Wt. %
Indole-3-butyric acid	133-32-4	0.31
Water and other minor ingredients	Mixture	balance

Ranges indicate trade secret concentration.

### 4. First Aid Measures

<b>Skin</b>	Wash with plenty of water. Wash contaminated clothing before reuse. Get medical attention for if irritation develops.
<b>Eyes</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Call a Poison Control Center or doctor if eye irritation develops.
<b>Ingestions</b>	Call a Poison Control center or doctor Do not induce vomiting.
<b>Inhalation</b>	If irritation is experience, remove person to fresh air and keep comfortable for breathing.
<b>Advice to Physician</b>	Treat symptomatically.

### 5. Fire Fighting Measures

<b>Extinguishing Media:</b>	Use any standard agent for surrounding fire.
<b>Fire/Explosion Hazards:</b>	None indicated
<b>Fire Fighting Procedures:</b>	Use air supplied equipment for fighting fires.
<b>Flammable Limits:</b>	Not determined
<b>Flash Point</b>	Not flammable.
<b>Auto ignition Temperature:</b>	Not determined
<b>Hazardous Combustion Products:</b>	Various organic combustion products that may be irritating and toxic

### 6. Accidental Release Measures

<b>Personal Precautions:</b>	Wear proper personal protective equipment indicated in Section 8.
<b>Containment:</b>	Use any absorbent suitable for a water based solution.
<b>Clean Up:</b>	Sweep up absorbed material and place into containers for disposal.
<b>Notification Requirements:</b>	See section 15 for RQs,

### 7. Handling and Storage

<b>Handling:</b>	Wear proper personal protective equipment indicated in Section 8. Avoid contact with skin, eyes or clothing. Wash hands before eating or drinking.
<b>Storage:</b>	Should be stored in a dry location. Keep packages tightly closed. Keep out of the reach of children.

### 8. Exposure Controls / Personal Protection

<b>Engineering Controls:</b>	Special ventilation not required.
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**Personal Protective Equipment:**

<b>Eyes and Face:</b>	Wear safety glasses.
<b>Respiratory:</b>	Not required for properly ventilated areas.
<b>Hands, Arms, and Body:</b>	Wear rubber or neoprene work gloves when handling solutions.
<b>Other</b>	Safety shower and an eyewash should be available for emergency exposures.

**Exposure Guidelines:**

Ingredient	ACGIH TLV®	OSHA PEL	Other
No ingredients present at levels requiring respiratory protection.			

**9. Physical and Chemical Properties**

<b>Appearance &amp; Physical State</b>	Viscous purple liquid that can turn to light mauve or brown after storage.
<b>Odor:</b>	Weak nondescript odor
<b>Odor Threshold:</b>	Not determined
<b>pH</b>	7 – 8
<b>Specific Gravity:</b>	1.02
<b>Initial Boiling Point &amp; Range:</b>	> 212 °F (100 °C)
<b>Melting Point /Freezing Point:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined
<b>Percent Volatile:</b>	Not determined
<b>Solubility in Water</b>	At pH 4: 0.346 g/L (All values at 20 °C) At pH 7: 14.7 g/L At pH 10: 95.1 g/L
<b>Vapor Density:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined
<b>Upper/ Lower Flammable Limits:</b>	Not flammable
<b>Flash Point</b>	No flash point observed below boiling point. Water based solution.
<b>Auto ignition Temperature:</b>	475 – 788 °F (396 – 420 °C)
<b>Flammability (solid, gas)</b>	Not applicable
<b>Octanol/water partition coefficient</b>	At pH 4: log Pow = 2.3 (All values at 20 °C) At pH 7: log Pow = 0.36 At pH 10: log Pow = -0.83
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Not determined

**10. Stability and Reactivity**

<b>Stability:</b>	Normally stable.
<b>Conditions to Avoid:</b>	None anticipated
<b>Materials to avoid</b>	None anticipated
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Organic compounds that may be irritating.

## 11. Toxicological Information

<b>Eye:</b>	Prolonged contact may cause irritation
<b>Skin:</b>	Prolonged contact may cause irritation
<b>Oral:</b>	Not toxic by calculation. LD50 > 2000. May cause upset stomach if swallowed.
<b>Inhalation:</b>	Not likely to be irritating in foreseeable exposure.

## 12. Ecological Information

<b>Acute ecotoxicity:</b>	Minor ingredients toxic to aquatic species
<b>Chronic ecotoxicity:</b>	Chronic toxicity to aquatic species is anticipated
<b>Other Information</b>	None presented.

## 13. Disposal Considerations

<b>RCRA Status</b>	Not a hazardous waster
<b>Disposal Method:</b>	Conform to Federal, State and Local regulations.

## 14. Transportation Considerations

<b>DOT Proper Shipping Name:</b>	Not regulated for transport
<b>DOT Primary Hazard Class</b>	Not applicable
<b>DOT UN / NA Number:</b>	Not applicable
<b>DOT Packing Group</b>	Not applicable
<b>TDG (Canada)</b>	Not regulated
<b>IMDG (International water)</b>	Not regulated
<b>ICAO (Air transport)</b>	Not regulated

## 15. Regulatory Information

### UNITED STATES: Toxic Substances Control Act (TSCA)

<b>TSCA Inventory Status:</b>	Listed on TSCA Chemical Inventory or exempt as a FIFRA regulated product.
<b>Other TSCA Issues:</b>	None

### FIFRA Information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Classification: Oral toxicity: IV Skin irritation: IV Eye irritation; IV

FIFRA label precautionary text may include:  
(No symbol required.)

**KEEP OUT OF THE REACH OF CHILDREN**

**CAUTION**

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in a cool dry place. Keep in original container.

**Pesticide Disposal:** Pesticide or rinse waters that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures under the Resource Conservation and Recovery Act. Wastes resulting from the use of the product may be disposed on site or at an approved waste disposal facility.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS**

CAUTION: Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate.

**SARA Title III/CERCLA**

Ingredients with "Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs).

Ingredient	SARA/CERCLA RQ (lb.)	SARA EHS TPQ (lb.)
No ingredients listed in this section due to extremely low concentrations.	-	---

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

<b>SARA 311 Hazard Class:</b>	Skin sensitization: 1
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**SARA 313 Toxic Chemicals:**

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percent are found in Section 2.

Ingredient	Comment
No ingredients listed	

**State Right-To-Know**

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

Ingredient	Weight %	Comment
No ingredients listed in this section	---	Not listed on California Proposition 65.

<b>Additional Regulatory Information:</b>	FIFRA registered product.
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## 16. Other Information

<b>Issue Date:</b>	November 9, 2017
<b>Previous Issue Date:</b>	None
<b>Changes from previous version:</b>	New SDS, no previous version

### **National Fire Protection Assoc. (NFPA) Classification:**

4 = Severe; 3 = Serious; 2 = Moderate; 1 = Slight, 0 = Minimal

Health 1

Flammability 0

Reactivity 0

### **Hazardous Materials Information Systems (HMIS):**

4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant

Health 1

Flammability 0

Physical Hazard 0