



Safety Data Sheet Clonex® Rooting Gel

1. Product and Company Identification

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

OSHA Regulatory Status	Not hazardous
OSHA Classification	Not regulated
OSHA Signal Word	Warning
OSHA Hazard Statements	Keep out of the reach of children
OSHA Precautionary Statements	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.
OSHA Label Symbols	None required
Other Hazards Not Specified by OSHA	None

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

Potential Health Effects:

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

Ingredients found on established carcinogen lists:

Ingredient	NTP Status	IARC Statue	OSHA List
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

Skin	Wash with plenty of water. Wash contaminated clothing before reuse. Get medical attention for if irritation develops.
Eyes	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.
Ingestions	Call a Poison Control center or doctor Do not induce vomiting.
Inhalation	If irritation is experience, remove person to fresh air and keep comfortable for breathing.
Advice to Physician	Treat symptomatically.

5. Fire Fighting Measures

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

6. Accidental Release Measures

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

7. Handling and Storage

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

8. Exposure Controls / Personal Protection

Engineering Controls:	Special ventilation not required.
------------------------------	-----------------------------------

Personal Protective Equipment:

Eyes and Face:	Wear safety glasses.
Respiratory:	Not required for properly ventilated areas.
Hands, Arms, and Body:	Wear rubber or neoprene work gloves when handling solutions.
Other	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

Appearance & Physical State	Viscous purple liquid that can turn to light mauve or brown after storage.
Odor:	Weak nondescript odor
Odor Threshold:	Not determined
pH	7 – 8
Specific Gravity:	1.02
Initial Boiling Point & Range:	> 212 °F (100 °C)
Melting Point /Freezing Point:	Not determined
Evaporation Rate:	Not determined
Percent Volatile:	Not determined
Solubility in Water	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
Vapor Density:	Not determined
Vapor Pressure:	Not determined
Upper/ Lower Flammable Limits:	Not flammable
Flash Point	No flash point observed below boiling point. Water based solution.
Auto ignition Temperature:	475 – 788 °F (396 – 420 °C)
Flammability (solid, gas)	Not applicable
Octanol/water partition coefficient	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
Decomposition temperature	Not determined
Viscosity	Not determined

10. Stability and Reactivity

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

11. Toxicological Information

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

12. Ecological Information

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

13. Disposal Considerations

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

14. Transportation Considerations

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

15. Regulatory Information

UNITED STATES: Toxic Substances Control Act (TSCA)

TSCA Inventory Status:	Listed on TSCA Chemical Inventory or exempt as a FIFRA regulated product.
Other TSCA Issues:	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.

SARA 311 Hazard Class:	Skin sensitization: 1
-------------------------------	-----------------------

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.

Additional Regulatory Information:	FIFRA registered product.
---	---------------------------

16. Other Information

Issue Date:	November 9, 2017
Previous Issue Date:	None
Changes from previous version:	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