

# GROWTH TECHNOLOGY LTD

## SAFETY DATA SHEET

According to 1907/2006/EC, article 31 (REACH), according to Directive 67/548/EEC (DSD)  
and according to 1272/2008/EC (CLP)

### CLONEX

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	Clonex Rooting Gel
MAPP PRODUCT NUMBER (UK)	10676
EPA Reg No. (USA)	79664-1
SYNONYMS, TRADE NAMES	Clonex
SUPPLIER	Growth Technology Ltd. Great Western Way Taunton TA2 6BX United Kingdom Phone +44 (0)845 430 3001 +44 (0)1823 325291 Fax +44 (0)1823 325487 info@growthtechnology.com
EMERGENCY TELEPHONE - UK	+44 (0)845 430 3001 (office hours only) +44 (0)1823 325291 (office hours only)
EMERGENCY TELEPHONE – USA	+1 517 887 2007 (office hours only)

#### 2 HAZARDS IDENTIFICATION

Clonex improves the root formation in plants and is used for the propagation of plant cuttings. It contains 3-indolebutyric acid as the active ingredient, 2-hydroxyethylcellulose as viscosifier, and less than 0.1% of a safe colorant; these components are dissolved in a mixture of water and propylene glycol. The product contains less than 0.5% 1,2-benzisothiazol-3(2H)-one (CAS 2634-33-5, EINECS 220-120-9) as preservative.

3-Indolebutyric acid is a plant growth regulator.

LABELLING ACCORDING TO CLP



**DANGER**

#### CLASSIFICATION

3-Indolebutyric acid is classified as an Agricultural Chemical and Pesticide.

DSD classifies 3-indolebutyric acid as toxic.

CLP classifies 3-indolebutyric acid in Acute Toxicity Oral Category 3.

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#### DISCLAIMER

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC-No	CAS-No	Content	Classification
3-indolebutyric acid	205-101-5	133-32-4	0.33%	<b>DSD:</b> T;R25 <b>CLP:</b> H301
2-hydroxyethylcellulose	not available	9004-62-0	1.85%	
monopropylene glycol	200-338-0	57-55-6	5.0%	
water			>92%	

The Full Text for all R-Phrases and H-statements are displayed in Section 16

#### COMPOSITION COMMENTS

The Data shown are in accordance with the latest EC Directives

### 4 FIRST-AID MEASURES

#### INGESTION

If the person affected is conscious, have them drink large quantities of water, after which vomiting should be induced by a properly qualified person. Never give anything by mouth to an unconscious person. Seek immediate medical assistance.

#### SKIN CONTACT

Remove contaminated clothing and wash skin with soap and plenty of running water. Seek medical assistance.

#### EYE CONTACT

Rinse immediately eye with plenty of low pressure water for at least 15 minutes. Remove any contact lenses. Seek medical assistance.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is non combustible.  
To extinguish fire use water spray, dry chemical, carbon dioxide, or chemical foam.

#### SPECIAL FIRE FIGHTING PROCEDURES

None.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

None.

#### SPECIFIC HAZARDS

None.

#### PROTECTIVE MEASURES IN FIRE

Wear full protective clothing and MSHA/NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

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## **6 ACCIDENTAL RELEASE MEASURES**

### PERSONAL PRECAUTIONS

See section 8.

### ENVIRONMENTAL PRECAUTIONS

Take precautionary measures against discharges into the environment.

### SPILL CLEAN UP METHODS

Sweep up or absorb spilled material, then place into a suitable closed container for disposal as chemical waste. Flush spill area with water. Product is slippery.

## **7 HANDLING AND STORAGE**

### USAGE PRECAUTIONS

Avoid contact with eyes, skin or clothing.  
Wash thoroughly after handling and before eating, drinking or smoking.

### STORAGE PRECAUTIONS

To protect product quality, store in sealed container out of direct sunlight.

## **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

### PROTECTIVE EQUIPMENT

Protective gloves, safety goggles and protective clothing.

### RESPIRATORY EQUIPMENT

Not applicable

### HAND PROTECTION

Protective gloves should be used if there is the risk of direct contact or splash.

### EYE PROTECTION

Wear approved safety goggles.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, drinking, smoking or using the toilet.

### SKIN PROTECTION

Wear apron or protective clothing in case of danger of contact.

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	aqueous viscous solution with a slight odour
COLOUR	purple
BOILING POINT	about 100 degrees Celsius
SPECIFIC GRAVITY	approximately 1
pH – VALUE	7.0 – 8.0

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## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### MATERIALS TO AVOID

None

### HAZARDOUS DECOMPOSITION PRODUCTS

None

## 11 TOXICOLOGICAL INFORMATION

### GENERAL

The toxicological properties of 3-indolebutyric acid have not been fully investigated.

### TOXIC DOSE 1 – LD50 (ORAL, MOUSE)

3-Indolebutyric acid (undiluted) 100 mg/kg

### INGESTION

3-indole butyric acid: toxic if swallowed. May cause irritation of the digestive tract.

### SKIN CONTACT

May cause irritation.

### EYE CONTACT

May cause irritation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

unknown

### WATER HAZARD CLASSIFICATION

none

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Place into a suitable closed container for disposal as chemical waste.

### DISPOSAL METHODS

Dispose of in accordance with local and national regulations.

## 14 TRANSPORT INFORMATION

### GENERAL

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

### PACKAGING

100 ml, 250 ml, 1qt.

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## 15 REGULATORY INFORMATION

LABELLING (DSD)	T (toxic)
LABELLING (CLP)	see section 2 (GHS06, skull and cross bones)
CONTAINS	3-indolebutyric acid, 0.3%
RISK PHRASES (DSD)	R25 Toxic if swallowed
HAZARD STATEMENTS (CLP)	H301 Toxic if swallowed
SAFETY PHRASES (DSD)	S36/37 Wear suitable protective clothing and gloves
	S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

### PRECAUTIONARY STATEMENTS (CLP)

P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P281	Use personal protective equipment as required
P301+P310	IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician
P321	Specific treatment (see on this label)
P330	Rinse mouth
P405	Store locked up
P501	Dispose of contents/container in accordance with local and national regulations

### UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988. Health and Safety at Work Act 1974.

### ENVIRONMENTAL LISTING

Control of Pollution Act 1974.

### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

### STATUTORY INSTRUMENTS

Notification of New Substances Regulations (NONS) 1993. The Export and Import of Dangerous Chemicals Regulations 2005 number 928.

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply (EU 2001/59/EC). Safety Data Sheets for Substances and Preparations (REACH)

### GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

### NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Workplace Exposure Limits 2005 (EH40).

The Carriage of Dangerous Goods and use of transportable pressure equipment regulations 2004.

Control of Substances hazardous to health regulations 2002 (as amended).

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REVISION DATE: 13/01/2012

<b>16 OTHER INFORMATION</b>
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ISSUED BY	HS&E Manager
REVISION DATE:	13/01/2012
RISK PHRASES (DSD)	R25 Toxic if swallowed
HAZARD STATEMENTS (CLP)	H301 Toxic if swallowed

**6**

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