SAFETY DATA SHEET

Revision Date ***17-Feb-2012***

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name Circlegrow®

Recommended Use For research use only
Registration Number No information available

1.1 Product Identifier

Catalog Number: 3000-122

Supplier: MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
tel: 440-337-1200

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

1.2 Relevant identified uses of the substance or mixture and uses advised against

2. HAZARDS IDENTIFICATION

GHS - Classification

GHS Label elements, including precautionary statements

Physical Hazards None

Not Hazardous Not classified

NFPA rating:

NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Note:	-

Precautionary Statements

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: Not Available

Chemical Name	EC No.	CAS Number	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Ingredient A	Listed		60 - 70%	-		No data available
Ingredient B	Listed		30 - 40%	-		No data available
Ingredient C	Listed		0 - 10%	-		No data available
Ingredient D	Listed		0 - 10%	-		No data available
Ingredient E	Listed		0 - 10%	-		No data available

For the full text of the R phrases and H statements mentioned in this section, see Section 2

4. FIRST AID MEASURES

4.1 Description of first-aid measures

General Advice If symptoms persist, call a physician.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation Move to fresh air.

Rinse mouth Clean mouth with water and afterwards drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms No information available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons
No information available

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

No information available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

See Section 12 for additional information.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

No information available.

6.4 Reference to other sections

See Section 12 for additional information

7. HANDLING AND STORAGE

Storage
15-30°C

DESICCATE

7.1 Precautions for safe handling

Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place

7.3 Specific end uses

Exposure Scenario
No information available

Other Guidelines
No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Derived No Effect Level (DNEL)	No information available
Predicted No Effect Concentration (PNEC)	No information available

8.2 Exposure controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye Protection	Tightly fitting safety goggles
Skin and Body Protection	Long sleeved clothing
Hand Protection	Protective gloves
Respiratory Protection	No special protective equipment required.

Environmental Exposure Controls	No information available.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical State	Solid.

Physical Property Data

pH Value	No Data Available.
Flash Point	No information available.
Autoignition Temperature	No data available
Melting/Freezing Point	
Boiling Point (°C)	No information available.
Vapor Pressure	No data available
Vapor Density	No information Available
Water Solubility	No Data Available
Evaporation Rate	No data available.
Flammability (solid, gas)	No Data Available
Flammability Limits in Air	
upper flammability limit	No data available
lower flammability limit	No data available
Density	No data available.
Specific Gravity	No data available.
Decomposition Temperature	No data available
Viscosity, Kinematic	No data available.
Viscosity, Dynamic	No data available.
Explosive Properties	No information available.
Oxidizing Properties	No information available
VOC Content (%)	No information available

9.2 Other Safety Information

Other Safety Information

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

None in particular

10.5 Incompatible Materials

None in particular

10.6 Hazardous Decomposition Products

None under normal processing.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity Product does not present an acute toxicity hazard based on known or supplied information

Inhalation No information available.

Eye Irritation No information available.

Acute toxicity 0.18% of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ingredient E	5900 mg/kg (Rat)		

Mutagenic Effects Contains no ingredient listed as a mutagen.

Carcinogenic Effects None known.

Reproductive Toxicity None known

Developmental Toxicity None known.

Aspiration hazard None known

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2 Persistence and degradability

No data is available on the product itself

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products Dispose of in accordance with local regulations

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG/IMO Not regulated

ICAO Not regulated

ICAO/IATA Not regulated

DOT Not regulated

TDG Not regulated

MEX Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	EINECS / ELINCS	DSL / NDSL	PICCS	ENCS	IECSC	AICS	KECL
Ingredient A	Listed	Listed	Listed	Listed		Listed	Listed	Listed
Ingredient B		Listed		Listed		Listed		
Ingredient C	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
Ingredient D	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
Ingredient E	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances / EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippine Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Subtances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

16. OTHER INFORMATION

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Key literarure references and sources for data

www.ChemADVISOR.com/