

Stim-Root(R) 2500 0.25%, 5000 0.5%, , 10000 1.0% IBA Rooting Hormone Liquid

SECTION 1. IDENTIFICATION

Product Identifier	Stim-Root(R) 2500 0.25%, 5000 0.5%, , 10000 1.0% IBA Rooting Hormone Liquid
Other Means of Identification	10623, 10625, 10627
Product Family	Stim-Root
Recommended Use	Rooting Hormone.
Manufacturer	Master Plant-Prod Inc., 314 Orenda Rd. , Brampton, Ontario, Canada, L6T 1G1, Canada
Emergency Phone No.	CANUTEC, 1-613-996-6666, 24 Hours
SDS No.	0352
Date of Preparation	July 04, 2017

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2; Specific target organ toxicity (single exposure) - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 + H320 Causes skin and eye irritation.

H370 Causes damage to organs.

Precautionary Statement(s):

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, and lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands and skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P307 + P311 If exposed: Call a POISON CENTRE or doctor.
 P321 Specific treatment (see supplemental first aid instruction on this label).
 P330 Rinse mouth.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P370 + P378 In case of fire: Use dry chemical powder, appropriate foam to extinguish.
 Storage:
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 Disposal:
 P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Ethyl Alcohol	64-17-5	30 - 56		
Glycol Ether Acetate	108-65-6	8 - 43		
Indole-3-Butyric Acid (IBA)	133-32-4	0.25 - 1.0		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If breathing has stopped, trained personnel should begin rescue breathing. If the heart has stopped, trained personnel should start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Immediately call a Poison Centre or doctor.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Get medical advice or attention if you feel unwell.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water. Drink plenty of water (200-300 mL). Get medical advice or attention if you feel unwell or are concerned.

Immediate Medical Attention and Special Treatment

Special Instructions

Signs and symptoms of methanol poisoning are not evident and may be delayed for up to 48 hours. Treatment may include the following: Hemodialysis, the intravenous administration of ethanol (10mL/hour) to interfere with the metabolism of methanol and the administration of bicarbonate to correct acidosis. This product also contains ethanol (ethyl alcohol).

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SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam. Water may be ineffective but should be used to cool fire-exposed containers and structures, and to disperse vapours.

Specific Hazards Arising from the Product

Flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air.

Very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Wear self-contained breathing apparatus in confined areas or when exposed to combustion products.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Stop or reduce leak if safe to do so. Small spills or leaks: flush with water. Large spills or leaks: remove or recover liquid using pumps or vacuum equipment. Eliminate all sources of ignition.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Should only be handled by those trained in potentially hazardous materials. Prevent skin contact. Do not breathe in this product. Do not get in eyes. Do not swallow. Only use where there is adequate ventilation. All equipment should be explosion-proof and properly ground.

Conditions for Safe Storage

Keep out of reach of children. Store in an area that is: cool, dry, well-ventilated. Store in the original, labelled, shipping container. Store in a closed container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Use an appropriate NIOSH approved particulate respirator. Monitor dust levels within working area and ensure adequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Basic Physical and Chemical Properties

Appearance	Light yellow. Particle Size: Not applicable
Odour	Alcoholic
Odour Threshold	Not applicable
pH	9.5 (5% solution)
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Vapour Pressure	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Other Information	
Physical State	Liquid
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Bulk Density	Not available
Surface Tension	Not available
Critical Temperature	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Heat. Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

Incompatible Materials

Strong oxidizing agents, strong bases. Ignition sources.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; eye contact; skin contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Indole-3-Butyric Acid (IBA)		100 mg/kg (mouse)	
Glycol Ether Acetate		6,190 mg/kg (rat)	>5,000 mg/kg (rabbit)
Ethyl Alcohol		7060 mg/kg (rat)	

Skin Corrosion/Irritation

May cause moderate or severe irritation based on information for closely related materials.

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Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on information for closely related materials. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

Skin Absorption

Not absorbed through skin.

Ingestion

Harmful based on information for closely related materials. May cause adverse health effects.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause irritation of the respiratory system. May cause respiratory tract injury.

Carcinogenicity

No information was located.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Glycol Ether Acetate	161 mg/L (Pimephales promelas (fathead minnow); 96-hour)			
Ethyl Alcohol	> 10,000 mg/L (Oncorhynchus mykiss (rainbow trout))			

Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Glycol Ether Acetate	47.5 mg/L			

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

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Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Burn in an approved incinerator according to federal, provincial/state, and local regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1993	FLAMMABLE LIQUIDS, N.O.S. (ETHANOL, METHANOL)	3 [1L - Exempt, Limited Quantity; 20L - Regulated]	III
US DOT	1993	FLAMMABLE LIQUIDS, N.O.S. (ETHANOL, METHANOL)	3 [1L - Exempt, Limited Quantity; 20L - Regulated]	III

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

SECTION 16. OTHER INFORMATION

SDS Prepared By MPPI Technical Department

Phone No. 905-793-8000

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Disclaimer To the best of our knowledge, the information contained herein is accurate. However, neither Master Plant-Prod Inc., nor any of its distributors, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Although certain hazards are described, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of any product is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

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