

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
Consulted for specific requirements

U.S. Department of Labor

Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY Dip'N Grow® Liquid Rooting Concentrate, EPA Reg. #64388-1	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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Section I

Manufacturer's Name Dip'N Grow, Inc.	Emergency Telephone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 15140 S.E. 82 nd Drive, Post Office Box 1888 Clackamas, Oregon 97015-1888	Telephone Number For Information 866-347-6476
EPA Establishment Number 64388-OR-001	Date Prepared 01/14/03 Signature of Preparer (optional) L.B. Garrison

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	NIOSH/ OSHA TWA	ACGIH TLV	Other Limits Recommended IDLH	% (optional)
*Ethyl Alcohol CAS# 64-17-5	1000PPM		3,300PPM	
*Isopropyl Alcohol CAS# 67-63-0	400PPM		2,000PPM	
Indole-3-Butyric Acid CAS# 133-32-4	Unknown			
Naphthalene Acetic Acid CAS# 86-87-3	Unknown			
*EPA SARA Title III Section 313 list chemical				

HIMS Rating

Health: 2 Flammability: 3 Reactivity: 0

NFPA Rating

Health: 2 Flammability: 3 Reactivity: 0

Section III - Physical/Chemical Characteristics

Boiling Point 82°C, (179°F)	Specific Gravity (H ₂ O = 1) 0.85
Vapor Pressure (mm Hg) Ethyl Alcohol 44 Isopropyl Alcohol 33	Melting Point NIA
Vapor Density (AIR = 1) (NIA = No Information Available) NIA	Evaporation Rate (Butyl Acetate = 1) NIA
Solubility in Water Appreciable	
Appearance and Odor Clear amber solution, alcohol odor	

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 22°C, 72°F (EPA 1020, closed cup)	Flammable Limits Isopropyl Ethanol	LEL 2.0% 3.3%	UEL 12.7% 19%
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Extinguishing Media

Alcohol foam, water fog, CO² or dry chemical

Special Fire Fighting Procedures

Use self-contained breathing apparatus

Unusual Fire and Explosion Hazards

NIA

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

NIA

Hazardous Decomposition or Byproducts

CO²

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	Yes	Yes

Health Hazards (Acute and Chronic)

NIA

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
NIA	NIA	NIA	NIA

Signs and Symptoms of Exposure

May cause irritation. Harmful if swallowed. Avoid contact with skin and eyes.

Medical Conditions Generally Aggravated by Exposure

NIA

Emergency and First Aid Procedure

If contact occurs, rinse with large amounts of water immediately.
Contact a physician

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Wipe or mop up small spills. Absorb large spills, evaporate in hood.

Waste Disposal Method

Dispose in compliance with all local, state and federal regulations.

Precautions to be Taken in Handling and Storage

Do not store or use near heat or open flame. Store at or below room temperature, 21°C (68°F), out of direct sunlight. Do not reuse empty container.

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Organic vapor, if required

Ventilation	Local Exhaust	If required	Special
	Mechanical(General)	Recommended	Other

Protective Gloves

Nitrile Rubber, Neoprene Rubber, Butyl Rubber, or Polyvinyl Chloride (PVC)

Other Protective Clothing or Equipment

Chemical splash goggles, Nitrile, neoprene or butyl rubber, or PVC apron, recommended.

Work/Hygienic Practices

NIA = No information available

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Dip'N Grow, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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