

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)



1. IDENTIFICATION

PRODUCT NAME: Dip'N Grow

DESCRIPTION: A liquid plant growth regulator.

EPA Reg. No.: 64388-1

COMPANY IDENTIFICATION:

Dip'N Grow, Inc.

15140 SE 82nd Drive, Suite 210E

Clackamas, OR 97015

2. HAZARD IDENTIFICATION



DANGER

Highly flammable liquid and vapor



Harmful if inhaled
Causes eye irritation
Causes mild skin irritation

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Indole-3-Butyric Acid (IBA)	4-(1H-indol-3-yl)butanoic acid	133-32-4	1.0%
1-Naphthaleneacetic acid	2-naphthalen-1-ylacetic acid	86-87-3	0.5%
Ethyl Alcohol	Ethanol	64-17-5	41.0%
Isopropyl Alcohol (Isopropanol)	propan-2-ol	67-63-0	20.5%

4. FIRST AID MEASURES

When calling poison control center, have product label accessible. If seeking treatment at an emergency room or doctor's office, bring product label to show medical personnel. You may also contact 1-800-222-1222 for emergency medical treatment information. For questions about this product, call 1-866-347-6476.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation occurs: Get medical advice/attention.

5. FIREFIGHTING MEASURES

Flash Point (CC): 22°C (72°F)

Flammable Limits (LFL/UFL): Isopropanol 2.0%, Ethanol 3.3% / Isopropanol 12.7%, Ethanol 19%

Fire and Explosion Hazards: Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Contact with strong oxidizers may cause fire or explosion. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge.

Extinguishing Medium: Water spray, dry chemical, alcohol form or CO₂.

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area and fight fire from a safe distance upwind. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

Hazardous Combustion Products: None known.

NFPA Ratings: Health – 1 / Flammability – 3 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

7. HANDLING AND STORAGE

Keep out of reach of children.

Handling: Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Storage: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be "No Smoking" areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Small quantities of peroxides can form on prolonged storage. Exposure to light and/or air significantly increases the rate of peroxide formation. If evaporated to a residue, the mixture of peroxides and isopropanol may explode when exposed to heat or shock.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Airborne Exposure Limits: For Isopropyl Alcohol

- OSHA Permissible Exposure Limit (PEL): 400 ppm (TWA);
- ACGIH Threshold Limit Value (TLV): 200 ppm (TWA), 400 ppm (STEL), A4 (not classifiable as a human carcinogen)

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document *Industrial Ventilation, A Manual of Recommended Practices* (most recent edition) for details.

Personal Protective Equipment: Wear long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile-rubber, neoprene rubber, polyvinyl chloride or Viton). If exposure limit is exceeded, a full face piece respirator with organic vapor cartridge may be worn up to 50 times the exposure limit of the maximum concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear, amber liquid

Odor: Slight

Boiling Point: 82°C (179°F)

Specific Gravity: 0.88 g/mL

Solubility: Appreciable

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid heat, open flame, sparks, and high temperatures.

CHEMICAL STABILITY: Product is stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Heat, open flame, sparks

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rabbit LD₅₀): > 5,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): 4.35 mg/L (4-hour)

EYE IRRITATION: Rabbit – Moderately irritating

SKIN IRRITATION: Rabbit – Moderately irritating

SKIN SENSITIZATION: No data available

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed

NTP: Not Listed

IARC: Not Listed

OSHA: Not Listed

MUTAGENIC TOXICITY: Data not available.

REPRODUCTIVE TOXICITY: Data not available.

12. ECOLOGICAL INFORMATION

This material is expected to quickly evaporate. This product may leach into groundwater. This product may biodegrade to a moderate extent. This material is expected to have a half-life between 1 and 10 days. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition.

AQUATIC TOXICITY:

Fish (96-hr LC₅₀): > 100 mg/L

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US DOT:

Containers ≤ 1.0 Liters (0.3 Gallons) shipped by land: Not regulated by DOT.

Containers > 1.0 Liters (0.3 Gallons) or if shipped by air or vessel:

DOT Shipping Name: UN1987, Alcohols, N.O.S. (contains Isopropanol, Ethanol), 3, PG II

DOT Emergency Response Guide: 127

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE LIQUID. Contains denatured alcohol. Do not use near heat or open flame.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate, Delayed, Fire

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

Isopropyl Alcohol (CAS #67-63-0): 20.5%

CERCLA Reportable Quantity (RQ) –

N/A

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the state of California to cause cancer or reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

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 damages resulting from handling or from contact with the above product.

SDS Version: 1.0

Effective Date: 07/20/2015