

DRIWATER THRIVE

SDS Number: 297

Revision Date: 5/23/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

DriWater
1042 Hopper Avenue
Santa Rosa, CA 95403

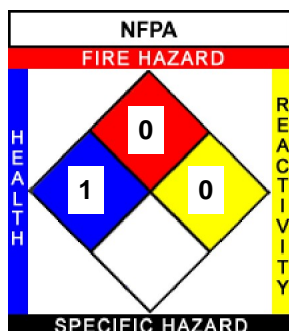
Contact: DriWater
Phone: (707) 588-1444
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Web: www.driwater.com

Product Name: DRIWATER THRIVE
Revision Date: 5/23/2015
Version: 1.00
SDS Number: 297
CAS Number: MIXTURE
Chemical Formula: *** PROPRIETARY ***
Product Use: Time Release Watering of Plants
Emergency Phone: (707) 588-1444

2 HAZARDS IDENTIFICATION

NFPA:
HMIS III:

Health = 1, Fire = 0, Reactivity = 0
H1/F0/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A		n	
n		o	
o		p	
p		q	
q		r	
r		s	
t		u	
u		w	
w		y	
y		z	
z			Additional Information

GHS Precautionary Statements:

- P264 - Wash skin thoroughly after handling.
- P302+352 - IF ON SKIN: Wash with soap and water.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P332+313 - If skin irritation occurs: Get medical advice/attention.
- P337+313 - If eye irritation persists: Get medical advice/attention.
- P501 - Dispose of container to an approved waste disposal plant.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
N/A	100%	Proprietary, non-hazardous, non-regulated

4 FIRST AID MEASURES

- Inhalation:** Product does not present an inhalation hazard. Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Product generally does not cause skin irritation. If irritation occurs, gently wash skin with soap and water. If reddening develops and/or persists, obtain medical attention.
- Eye Contact:** Product generally does not cause eye irritation. If irritation occurs, gently flush with large amounts of water for several minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. If eye irritation persists, obtain medical attention.
- Ingestion:** Product generally does not present an ingestion hazard. AS a precaution, rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Give 3-4 glasses of water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. If symptoms develop and/or persist, obtain medical attention.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed:

No data available.

5 FIRE FIGHTING MEASURES

- Flammability:** Not flammable
- Flash Point:** DNA
- Flash Point Method:** DNA
- Burning Rate:** No data available
- Autoignition Temp:** No data available
- LEL:** DNA
- UEL:** DNA

Extinguishing Media:

- Water Spray
- Water Fog
- Carbon Dioxide
- Alcohol-Resistant Foam
- Dry Chemical

Special Hazards Arising From the Substance or Mixture:

- Aluminum Oxides
- Carbon Oxides
- Sodium Oxides
- Sulfur Oxides
- Zinc Oxides

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Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.

Use water spray to cool unopened containers.

See Section 7 for more information on safe handling.

See Section 8 for more information on personal protection equipment.

See Section 13 for disposal information.

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ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment.

Keep from contacting skin or eyes.

Take care to avoid slippage.

Environmental Precautions:

Prevent further release (leakage/spillage) if safe to do so.

Methods and Materials for Containments and Cleaning Up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

Place contaminated material into suitable, closed containers for disposal.

Product may also be diluted and rinsed away to drains as it is biodegradable and non-hazardous.

Dispose of contaminated material according to Section 13.

After spillage has been collected, area may be flushed with water or wet-brushed.

Reference to Other Sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on proper disposal.

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HANDLING AND STORAGE

Handling Precautions:

Avoid contact with eyes, skin, or clothing.

Keep containers closed when not in use.

Do not expose containers to open flame, excessive heat, or direct sunlight.

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

Do not puncture or drop containers.

Handle with care and avoid spillage on the floor.

Keep material out of reach of children.

Keep material away from incompatible materials.

Wash thoroughly after handling.

Storage Requirements:

Keep container tightly closed.

Do not store in direct sunlight.

Do not allow to freeze, as hermetic package seal can be broken.

Store away from strong bases, strong oxidizing agents, Amines and Alcohols.

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8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip: Eye/face protection:
No personal protective equipment is required when using this product. If desired, ensure that all safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:
Not required. If desired, handle with gloves appropriate for the job. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:
Not required. If desired, ensure that the type of protective equipment is selected based on concentration amount and conditions of use of this material.

Respiratory protection:
Not required.

Control of environmental exposure:
Prevent leakage or spillage if safe to do so.

Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limit values.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Colorless gel	Odor:	Odorless
Physical State:	Liquid	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	Insoluble
Particle Size:	Not determined	Softening Point:	Not determined
Spec Grav./Density:	1.010 g/ml (8.43 lbs/gal)	Percent Volatile:	Not determined
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	Not determined	Freezing/Melting Pt.:	0 °C (32 °F)
Boiling Point:	100 °C (212 °F)	Flash Point:	DNA
Flammability:	(solid, gas): Not flammable	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	0.0010080 lbs/ft ³
Vapor Pressure:	(mm Hg @ 20 °C): 17.5	VOC:	DNA
pH:	@ 2%: 5.25 - 5.75	Bulk Density:	Not determined
Evap. Rate:	(N-Butyl Acetate = 1): Not determined	Auto-Ignition Temp:	Not determined
Molecular weight:	MIXTURE	UFL/LFL:	Not determined
Decomp Temp:	Not determined		

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10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Conditions to Avoid: Incompatibilities, heat, direct sunlight.
Materials to Avoid: Strong bases, strong oxidizing agents, Amines and Alcohols.
Hazardous Decomposition: Aluminum Oxides, Carbon Oxides, Sodium Oxides, Sulfur Oxides and Zinc Oxides.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): DRIWATER PLUS

CAS No(s): N/A

Acute Toxicity:

LD50 Oral - Rat: 2,100 mg/kg

LD50 Dermal - Rabbit: > 2,000 mg/kg

Skin Corrosion/Irritation: Rabbit skin - No skin irritation (4 h)

Serious Eye Damage/Eye Irritation: Rabbit eyes - Irritating to eyes.

Respiratory or Skin Sensitation: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity:

Reproductive Toxicity Intratesticular - Rat: Spermatogenesis

Reproductive Toxicity Intraperitoneal - Mouse: Effect on Newborn

Specific Target Organ Toxicity - Single Exposure: No data available.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information: No data available.

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ECOLOGICAL INFORMATION

Component(s): DRIWATER PLUS

CAS No(s): N/A

Toxicity:

Toxicity to fish:

LC50 - Pimephales promelas (Fathead Minnow): 484 mg/l (96 h)

LC50 - Oncorhynchus mykiss (Rainbow Trout): 100 - 1,000 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

LC50 - Daphnia magna (Water Flea): 38.2 mg/l (48 h)

Persistence and Degradability:

Biodegradability - Readily biodegradable

Bioaccumulative potential:

Bioaccumulation - Does not bioaccumulate

Mobility in Soil:

No data available.

Results of PBT and vPvB assessment:

Not required/conducted.

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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DISPOSAL CONSIDERATIONS

Product: Dispose of material in a permitted facility in accordance with local, state and federal regulations. Landfilling in a licensed facility equipped with leachate collection is a suitable alternative. This product is biodegradable. Wastewater containing this product can be considered for treatment in a acclimated biological treatment system of adequate capacity. This product is not listed in federal hazardous waste regulation 40 CFR 261.33, paragraph (e) or (f) - i.e., chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40 CFR 261, Subpart C. The above ingredients are so in-significant that, since DRIWATER Plus is insoluble, it will have minimal effect on any water in which it may be placed. State or local hazardous waste regulations may apply if they are different from the federal regulation.

Contaminated Packaging: Dispose of as unused product.

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14 TRANSPORT INFORMATION

DOT (US)

Non-regulated material, liquid

IMDG

Non-regulated material, liquid

IATA

Non-regulated material, liquid

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

Proprietary, non-hazardous, non-regulated (N/A 100%) None - Reporting not required

REGULATORY KEY DESCRIPTIONS

None - Not applicable

16 OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that DriWater believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of DriWater's control, DriWater makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

Preparation Information:

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