

SECTION 1 - IDENTIFICATION

Product Identifier: Drip Gard 500
Product Use: Micro-Irrigation Maintenance Product
Common Names: Sodium chlorite

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24 Hr. Emergency #: ChemTrec (800) 424-9300

SECTION 2 - HAZARDS IDENTIFICATION**Classification of the Substance or Mixture:**

Skin Corrosion/Irritation – Category 2
Acute Toxicity – Category 5
Serious Eye Damage – Category 1



Signal Word: DANGER

Hazard Statement(s):

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.
H318: Causes serious eye damage.
H402: Harmful to aquatic life.
Other: Dried material can ignite upon contact with combustibles.

Precautionary Statements:**Prevention-**

P221: Take any precaution to avoid mixing with combustibles.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P262: Do not get in eyes, on skin, or on clothing.
P264: Wash 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-

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321: Specific treatment (see supplementary first aid instructions on this label).
P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P376: Stop leak if safe to do so.

Storage-

P403+233: Store in a well ventilated place. Keep container tightly closed.
P405: Store locked up.

Disposal-

P501: Dispose of contents/container to an approved waste disposal plant.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS No.	Concentration (%)
Sodium Chlorite	7758-19-2	25%

SECTION 4 - FIRST-AID MEASURES

Inhalation: Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Take off contaminated clothing and shoes immediately. Promptly flush skin with water for several minutes to ensure all chemical is removed. If reddening and/or a rash develops and/or persists, obtain medical attention.

Eye Contact: 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. Seek immediate medical attention.

Ingestion: Rinse mouth with water. Drink copious amounts of water to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water. Never give anything by mouth to an unconscious person. Seek immediate 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.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Equipment: Water Spray
Water Fog
Carbon Dioxide
Alcohol-Resistant Foam

Special Hazards Arising From The Substance Or Mixture: Negligible fire hazard. Avoid evaporation to dryness. Dried material can ignite upon contact with combustibles. This product may represent an explosion hazard if it contacts acids, chlorine, or organic materials.

Special Protective Equipment And Precautions For Firefighters: Firefighters should wear SCBA's. Use caution. See Section 7 for more information on safe handling. Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Avoid inhalation of material or combustion by-products.
See Section 8 for more information on personal protection equipment. See Section 13 for disposal information.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, And Emergency Procedures: Use personal protective equipment including vapor respirator.
Keep from contacting skin or eyes.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Stay upwind of spilled material.

Environmental Precautions: Prevent further release (leakage/spillage) if safe to do so.
Do not allow product to enter drains.
Do not allow to drain to environment.

Methods And Materials For Containments And Cleaning Up: Absorb with liquid-binding material (sand, diatomite, universal binders) or with pads, pillows, and snakes.
Spills may be diluted with water. Dampen and scoop spilled material

Place contaminated material into suitable, closed containers for disposal.
 Dispose of contaminated material according to Section 13.
 After spillage has been collected, area may be flushed with water or wet-brushed.
 Ensure adequate ventilation.
 Dispose promptly. Dried material can ignite upon contact with combustibles.

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.

SECTION 7 - HANDLING AND STORAGE

Handling Precautions:

Avoid breathing vapors or mist.
 Avoid contact with eyes, skin, or clothing.
 Use approved containers only.
 Keep containers closed when not in use.
 Do not expose containers to open flame, excessive heat, or direct sunlight.
 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.
 Ensure adequate ventilation.

Storage Requirements:

Keep container tightly closed.
 Store in a well-ventilated place.
 Do not store in direct sunlight.
 Store below 212°F.

Incompatible Materials:

Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases (chlorine dioxide a poisonous, explosive gas), and possible fire and explosion. Do not contaminate with acids, reducing agents, combustible materials, oxidizing materials, hypochlorite, organic solvents and compounds, garbage, dirt, organic matter, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter. Dried material can ignite upon contact with combustibles.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Component(s)	CAS No.	OSHA			NIOSH		ACGIH	
		PEL	Ceiling	STEL	REL	Ceiling	TLV	Ceiling
Sodium Chlorite	7758-19-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 Equipment:

All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Type of protective equipment should be selected based on concentration amount and conditions of use of this material. Full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds. Respiratory protection must comply with 29 CFR 1910.134.

Eye/Face-

- Goggles (chemical-resistant)
- Face shield if possibility of splashing.

Skin/Body-

- Gloves (PVC, neoprene, or nitrile)

Respiratory-

- NIOSH approved full-face respirator equipped with N95 (dust, fume, mist) cartridges may be permissible.
- If chlorine or chlorine dioxide is present, an acid gas cartridge is also required

General Hygiene Considerations-

- Handle in accordance with good industrial hygiene and safety practice.
- Keep away from foodstuffs, beverages, and feed.
- Wash face, hands, and any exposed skin thoroughly after handling.

- Appropriately dispose of contaminated clothing; wash before re-use, if applicable.
- Avoid contact with eyes, skin, and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid	Vapor Pressure (Mm Hg): No data available.
Color: Yellow, cloudy	Vapor Density: No data available.
Odor: Slight chlorine	Relative Density: 10.05 lbs/gal
pH: >12	Specific Gravity: 1.2
Melting/Freezing Point: No data available.	Solubility in Water: 100%
Initial Boiling Point and Boiling Range: No data available.	Partition Coefficient (N-Octanol/Water): No data available.
Flash Point: No data available.	Auto Ignition Temperature: No data available.
Evaporation Rate: No data available.	Decomposition Temperature: No data available.
Flammability (Solid, Gas): No data available.	Viscosity: No data available.
Upper/Lower Flammability or Explosive Limits: No data available.	Volatiles (% By Weight): No data available.
	Volatile Organic Compounds (VOC's): No data available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Not reactive under normal and ambient conditions

Chemical Stability: Stable under normal and ambient conditions.

Possibility of Hazardous Reactions: Chlorine dioxide is formed on contact with acids.

Conditions to Avoid: Incompatibilities, flames, ignition sources. Avoid evaporation to dryness.

Incompatible Materials: Acids, reducing agents, combustible material, oxidizing agents, hypochlorite, organic solvents and compounds, garbage, dirt, organic materials, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter.

Hazardous Decomposition Products: Chlorine dioxide is formed on contact with acids, Thermal decomposition products include chlorine and oxides of sodium.

SECTION 11 - TOXICOLOGICAL INFORMATION

Routes of Entry:	Eyes, skin, ingestion, dermal absorption.
Acute Toxicity:	
Oral Toxicity (LD ₅₀)-	284 mg/kg (Rat)
Dermal Toxicity (LD ₅₀)-	134 mg/kg (Rabbit)
Inhalation Toxicity (LC ₅₀)-	0.23 mg/l (4 h)(Rat)
Primary Eye Irritation:	Corrosive (Rabbit)
Primary Skin Irritation:	Corrosive (Rabbit)
Sensitization:	Does not cause skin sensitization (Guinea pig skin)
Carcinogenicity:	
IARC-	Category 3
ACGIH-	No component of this product present at levels >=0.1% is identified as a carcinogen or potential carcinogen.
NTP-	No component of this product present at levels >=0.1% is identified as a carcinogen or potential carcinogen.
OSHA-	No component of this product present at levels >= 0.1% is identified as a carcinogen or potential carcinogen.
Reproductive Toxicity:	No toxicity to reproduction.
Mutagenicity:	Tests on bacterial or mammalian cell cultures did not show effects. Animal testing did not show any mutagenic effects.
Teratogenicity:	Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
Specific Target Organ Toxicity-Single Exposure:	Respiratory system - Respiratory tract irritant (single exposure, category 3).
Specific Target Organ Toxicity-Repeated Exposure:	Oral (Rat), 1 year Target Organ: Spleen

The substance or mixture is classified as specific target organ toxicant, repeated exposure, Category 2.
 Gastrointestinal effects, Abnormal decrease in number of red blood cells, Abnormal decrease in red -blood -cell haemoglobin (hemoglobinemia).

Oral (Rat), 14 days
 Altered hematology, altered urinalysis results.

Aspiration Hazard: No data available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Toxicity to Fish- LC₅₀-Cyprinodon variegatus (sheepshead minnow): 105 mg/l (96 h)

Toxicity to Daphnia and Other Aquatic Invertebrates-

EC₅₀- Daphnia magna (Water Flea): <1.0 mg/l (48 h)
 LC₅₀- Americamysis bahia (mysid shrimp): 0.65 mg/l (96 h)
 ErC₅₀- Algae: 5.33 mg/l

Persistence and Degradability: Readily biodegradable.

Bioaccumulation Potential: Unlikely.

Mobility in Soil: No data available.

Results of PBT and vPvB Assessment: Not conducted.

Other Adverse Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

Recommendation: Hazardous wastes shall be managed responsibly.
 Contact a licensed professional waste disposal service to dispose of this material.
 Do not allow product to reach the sewage system.
 Disposal must comply will local, state, and federal regulations.
 Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of an NPDES permit.

Cleansing agent: Water should be used as a cleansing agent to rinse containers and/or soiled PPE.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT

UN Number: 3267
 Class: 8
 Packing Group: II
 Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (Chlorite solution)
 Marine Pollutant: No



IMDG

UN Number: 3267
 Class: 8
 Packing Group: II
 EMS-No.: F-A, S-B
 Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CHLORITE SOLUTION)



IATA

UN Number: 3267
 Class: 8
 Packing Group: II
 Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CHLORITE SOLUTION)



SECTION 15 - REGULATORY INFORMATION

EPA Registration No.:
 Cal DPR Registration No.:

EPCRA EHS **CERCLA HS** **CAA 112r** **EPCRA 313** **Prop 65 Listed**
Listed Hazardous Chemical CAS No. RQ (lbs) TPQ (lbs) RQ (lbs) TQ (lbs)

None

Legend

EPCRA- Emergency Planning and Community Right-to-Know Act
 CERCLA- Comprehensive Environmental Response, Compensation and Liability Act
 CAA- Clean Air Act
 RQ- Release Quantity
 TPQ- Threshold Planning Quantity
 EPA- Environmental Protection Agency
 DPR- Department of Pesticide Registration

SECTION 16 - OTHER INFORMATION

NFPA



NFPA Rating Explanation Guide					
RATING NUMBER	HEALTH HAZARD	FLAMMABILITY HAZARD	INSTABILITY HAZARD	RATING SYMBOL	SPECIAL HAZARD
4	Can be lethal	Will vaporize and readily burn at normal temperatures	May explode at normal temperatures and pressures	ALK	Alkaline
3	Can cause serious or permanent injury	Can be ignited under almost all ambient temperatures	May explode at high temperature or shock	ACID	Acidic
2	Can cause temporary incapacitation or residual injury	Must be heated or high ambient temperature to burn	Violent chemical change at high temperatures or pressures	COR	Corrosive
1	Can cause significant irritation	Must be preheated before ignition can occur	Normally stable. High temperatures make unstable	OX	Oxidizing
0	No hazard	Will not burn	Stable	☢	Radioactive
				W	Reacts violently or explosively with water
				WOX	Reacts violently or explosively with water and oxidizing

HMIS III

1 HEALTH
0 FLAMMABILITY
1 REACTIVITY
C PERSONAL PROTECTION

PERSONAL PROTECTION INDEX					
A	[Goggles]		G	[Goggles] + [Gloves] + [Respirator]	
B	[Goggles] + [Gloves]		H	[Goggles] + [Gloves] + [Apron] + [Respirator]	
C	[Goggles] + [Gloves] + [Apron]		I	[Goggles] + [Gloves] + [Respirator]	
D	[Respirator] + [Gloves] + [Apron]		J	[Goggles] + [Gloves] + [Apron] + [Respirator]	
E	[Goggles] + [Gloves] + [Respirator]		K	[Respirator] + [Gloves] + [Apron] + [Boots]	
F	[Goggles] + [Gloves] + [Apron] + [Respirator]		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions	
A	n	o	p	q	r
Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves	Boots	Synthetic Apron
t	u	w	y	z	Additional Information
Dust Respirator	Vapor Respirator	Dust & Vapor Respirator	Full Face Respirator	Airline Hood or Mask	

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