



SAFETY DATA SHEET

1. Identification

Product identifier	Tide Plant Guard
Other means of identification	REGISTRATION NO. 34938
Recommended use	Agricultural adjuvant – See product label for full directions for use
Recommended restrictions	See product label for any potential use restrictions
Manufacturer/Importer/Supplier/Distributor information	
Supplier	
Company name	Tide International Canada, Inc.
Address	245 Hanlon Creek Boulevard Unit 102 Canada
Telephone	+1-866-699-7717
Emergency phone number	+1-866-699-7717

2. Hazard Identification

Emergency overview	Orange or dark amber liquid with no odor. May cause mild eye and skin irritation. Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling the product.
Potential health effects	
Eyes	May cause mild and reversible eye irritation
Skin	May cause mild and reversible skin irritation.
Inhalation	May cause minor irritation of the upper respiratory tract.
Ingestion	May cause gastric upset if swallowed.
Preexisting Conditions	None known
Chronic Health Effects	None known
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
Osha hcs 2012 classification	This product does not meet the definition of a hazardous chemical under OSHA's Hazard Communication Standard.
Signal word	CAUTION
Hazard statement	None required.
Percent of product with unknown toxicity	0%
Precautionary statement	
Prevention	See Section 8 for personal protective equipment
Response	See Section 4 for first aid.
Storage	See section 7 for storage information.
Disposal	See section 13 for disposal information

3. Composition/information on ingredients

Ingredient	CAS Reg. #	% (wt)
Methylated Soybean Oil	67784-80-9	48.0 - 52.0%
Propylene glycol	57-55-6	2.6 - 3.25%

*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).

See Section 8 for exposure limits

4. First aid measures

Inhalation	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
Skin	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

5. Fire-Fighting measures

Suitable extinguishing media	Carbon dioxide, foam, dry chemical, halogenated agents, water fog
Special Fire Fighting Procedures	Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind. Use fog nozzles if water is used.
Hazardous Combustion Products	Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, phosphorous oxides.
Unusual Fire and Explosion Hazards	None known

6. Accidental release measures

Personal precautions	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions	Keep spilled product from entering sewers or waterways
Methods for Containment	Contain spilled product by diking area with sand or earth
Methods for Clean-up	Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop, or sweep up material and place in a container for disposal. Do not place spilled material back in original container.
Other Information	None known

7. Handling and Storage

Handling	Ensure adequate ventilation during handling and use. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good
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hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Storage

Store in cool, dry areas away from children, food and feed products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Maintain product above minimum storage temperature. Do not store in aluminum or metal vessels.

Minimum Storage Temperature

32°F

Other Precautions

Consult Federal, state and local laws and regulations pertaining to storage.

8. Exposure controls / Personal protection

Exposure Guidelines

Component:

OSHA PEL

ACGIH TLV

NIOSH REL

No components have established limits

Respiratory Protection

For most conditions, no respiratory protection should be needed. If used in an area with inadequate ventilation, use a NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates.

Engineering Controls

Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

Protective Gloves

While not expected to cause skin irritation, the use of chemically protective gloves is recommended to prevent against skin contact.

Eye protection

While not expected to cause eye irritation, the use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.

Other Protective Clothing or Equipment

Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact

Work/Hygienic Practices

Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9. Physical and chemical properties

Physical State

Liquid.

Vapor Pressure (mm Hg)

Not determined

Vapor Density (Air=1)

Not determined

Solubility in Water (wt %)

Dispersible

Viscosity

Not determined.

Appearance and odor

Orange or dark amber liquid with no odor

Specific Gravity (H₂O=1)

1.01

Density (lbs/gallon)

8.38 – 8.45 lbs/gallon

Melting Point/Freezing Point

Not determined.

Vapour pressure

Not determined.

Boiling Point/Range

>212°F (100°F)

pH (1% in distilled water)

6.18

Flash Point

>201°F (94°C)

10. Stability and reactivity

Reactivity	None known
Chemical Stability	Product is stable at ambient temperature and pressure, under normal storage and handling conditions.
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Excessive heat
Incompatible Materials	Oxidizing agents
Hazardous decomposition products	Combustion products: carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, phosphorous oxides.

11. Toxicological information

Acute toxicity	
Eye Effects	May cause mild but temporary eye irritation.
Skin Effects	May cause mild but temporary skin irritation. Animal tests showed the product to be non-irritating. LD ₅₀ >5,050 mg/kg (rat)
Acute Inhalation Effects	LC ₅₀ >2.32 mg/L. There was no mortality during the study and this product is not anticipated to be toxic by inhalation.
Acute Oral Effects	LD ₅₀ >5,000 mg/kg
Specific Target Organ Toxicity	None known
Chronic Toxicity	
Chronic Effects	None known
Carcinogenicity	No components are anticipated to cause carcinogenic effects.
Mutagenicity	No components are anticipated to cause mutagenic effects.
Teratogenicity	No components are anticipated to cause teratogenic effects.
Reproductive Toxicity	No components are anticipated to have effects on the reproductive system
Potential Health Effects	
Eyes	May cause mild and reversible eye irritation.
Skin	May cause mild and reversible skin irritation.
Inhalation	May cause minor irritation of the upper respiratory tract.
Ingestion	May cause gastric upset if swallowed.

12. Ecological information

Environmental summary	This product is not anticipated to have negative environmental effects. However, care should be taken to prevent releases into the environment in quantities greater than the recommended application rates.
Ecotoxicity data	
Fish Acute and Prolonged Toxicity	Rainbow Trout – NOEC 15 mg/L; 96 hr LC ₅₀ = 21.71 mg/L Bluegill – NOEC >100 mg/L
Aquatic Invertebrate Acute Toxicity	Daphnia – NOEC 12.5 mg/L; EC ₅₀ = 26.83 mg/L (48 hr static test)
Aquatic Plant Toxicity	Not determined.
Bird acute and prolonged toxicity	Not determined.
Honeybee Toxicity	Not determined.

Environmental effects

Soil absorption/mobility	Not determined.
Persistence and degradability	Not determined.
Bio-accumulative Potential	Not determined.
Other adverse effects	Not determined.

13. Disposal considerations

Waste	Dispose of in accordance with applicable Federal, state and local laws and regulations.
Container	Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.
RCRA Characteristics	It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste

14. Transport information

DOT: (Ground)	This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment.
IMDG: (Sea)	This product is not regulated by the IMDG code as a hazardous material for shipment by sea.
IATA: (Air)	This product is not regulated by the IATA as a hazardous material for air shipment.
TDG: (Canada)	This product is not regulated by the TDG as a hazardous material for ground shipment

15. Regulatory information

TSCA Inventory: All components are listed or exempt from listing on the TSCA inventory.

SARA Title III Information:

Section 302 - Extremely hazardous substances: None listed

Section 311/312 - Hazard Categories: None

Section 313 - The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund

Amendments and Reauthorization Act of 1986 and 40 CFR 372: None listed

CERCLA - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive

Environmental Response, Compensation, and Liability Act (CERCLA): None listed

California Proposition 65: WARNING: This product contains chemicals known to the state of California to cause cancer and/or reproductive harm.

U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):

Chemical Name	CAS #	State(s)
Propylene glycol	57-55-6	NJ, PA

Canadian Domestic Substances List: All components are listed on the DSL.

WHMIS Classification: Exempt – Registered Product – PCP 34938

16. Other information

LEGEND	
Severe	4
High	3
Moderate	2
Slight	1
Least	0

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

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01

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Disclaimer

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Prepared by

Tide International Canada, Inc