

# PRODIAMINE 4SC SELECT™

## Safety Data Sheet

### Section 1: Product Identification

**Product identifier on label:** Prodiamine 4SC Select  
**Use:** Herbicide  
**Manufacturer:** Prime Source, LLC  
10025 US 264 Alternate  
Middlesex, NC 27557  
**Manufacturer Phone:** 1-877-235-0043  
**Emergency Phone:** 1-800-222-1222

### Section 2: Hazards Identification

**Classification:**  
Skin Sensitizer: Category 1B  
Carcinogenicity: Category 2  
Specific Target Organ Toxicity: Repeated Category 2  
Specific Target Organ Toxicity: Drowsiness Category 3  
Eye Damage/Irritation: Category 2B

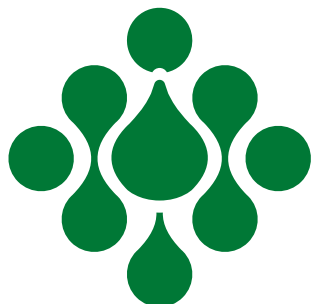
**Signal Word (OSHA):** Warning

**Hazard Statements:**  
May cause an allergic skin reaction  
Causes eye irritation  
May cause drowsiness or dizziness  
Suspected of causing cancer  
May cause damage to organs through prolonged or repeated contact

**Hazard Symbols:**



**Precautionary Statements:**  
Use only outdoors or in a well ventilated area.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison control center or doctor if you feel unwell.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe mist, vapors or spray.  
Wash hands and face thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves, protective clothing and eye protection.



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If on skin: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: get medical advice.

If exposed or concerned: Get medical advice/attention.

See Section 4 First Aid Measures.

Was contaminated clothing before reuse.

Store this material in a locked storage area.

Dispose of contents and container in accordance with local regulations.

**Other Hazard Statements:** None

## Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
2,4-dinitro-N <sup>3</sup> ,N <sup>3</sup> -dipropyl-6-(tri-fluoromethyl)-1,3-benzenediamine	Prodiamine	29091-21-2	40.5 %
1,2,3-propanetriol	Glycerine	56-81-5	< 3.0 %
Petroleum Distillates	Trade Secret	Trade Secret	< 12.0 %
Other Inert Ingredients	Trade Secret	Trade Secret	< 44.0 %

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## Section 4: First Aid Measures

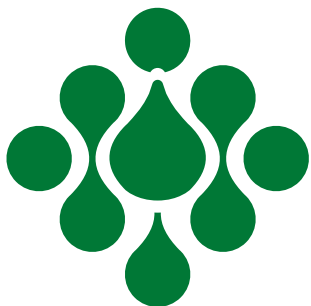
Have the product container, label or safety data sheet with you when calling a poison control center, or doctor, or going for medical treatment.

**Ingestion:** If swallowed: Call a poison control center (1-800-222-1222) immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Eye Contact:** If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center (1-800-222-1222) or doctor for treatment advice.

**Skin Contact:** If on skin or clothing: Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center (1-800-222-1222) or doctor for treatment advice.

**Inhalation:** If inhaled: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center (1-800-222-1222) or doctor for treatment advice.



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**Most important symptoms/effects:**

Eye irritation

Allergic skin reaction

Drowsiness or dizziness

**Indication of immediate medical attention and special treatment needed:**

There is no specific antidote if this product is ingested.

Treat symptomatically.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

## Section 5: Fire Fighting Measures

**Suitable (and unsuitable) extinguishing media:**

Use dry chemical, foam or CO<sub>2</sub> extinguishing media. If water is used to fight fire, dike and collect runoff.

**Specific Hazards:**

During a fire, irritating and possibly toxic gases may be generated by decomposition or combustion.

**Special protective equipment and precautions for firefighters:**

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Follow exposure controls/personal protection outlined in Section 8.

**Methods and materials for containment and cleaning up:**

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover the entire spill with absorbing material and place into a compatible disposal container. Scrub the area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up the wash liquid with additional absorbent and place into a compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

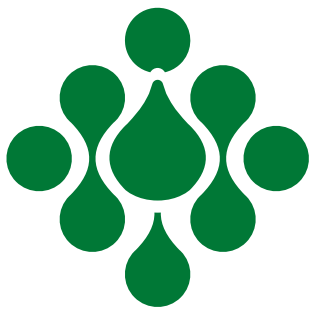
## Section 7: Handling and Storage

**Precautions for safe handling:**

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverage or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling the material.

**Conditions for safe storage, including any incompatibilities:**

Store this material in a locked storage area.



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## Section 8: Exposure Controls/Personal Protection

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

### Occupational Exposure Limits:

<u>Chemical Name:</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other</u>	<u>Source</u>
Prodiamine	Not Established	Not Established	10 mg/m <sup>3</sup> TWA	PROACTIVE
Glycerine	15 mg/m <sup>3</sup> TWA (total); 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> TWA (respirable)	None	Not Applicable
Petroleum Distillates	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup> TWA (respirable)	None	Not Applicable
Other Ingredients	Not Applicable	Not Applicable	Not Applicable	Not Applicable

### Appropriate engineering controls:

Use effective engineering controls to comply with occupational exposure limits (if applicable).

### Individual protection measures:

#### **Ingestion:**

Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling the material.

#### **Eye Contact:**

Where eye contact is likely, use chemical splash goggles.

#### **Skin Contact:**

Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.

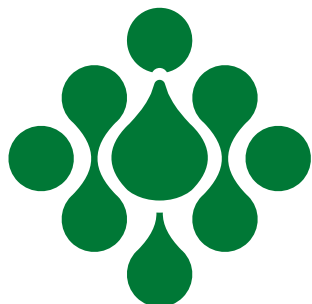
#### **Inhalation:**

A respirator is not normally required when handling this material. Use effective engineering controls to comply with occupational exposure limits.

In case of emergency spills, use a NIOSH certified respirator with any N, R, P or HE filter.

## Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Yellow liquid.
<b>Odor:</b>	Mild chemical odor.
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	6.79 (1% dispersion in water).
<b>Freezing Point:</b>	Not Available



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<b>Boiling Point:</b>	Not Available
<b>Flash Point:</b>	> 212° F
<b>Flammable Limits:</b>	Not Available
<b>Flammability:</b>	Not Available
<b>Vapor Pressure:</b>	0.0033 mPa @ 25° C (prodiamine).
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	1.184 gm/cm <sup>3</sup> @ 25° C.; 9.88 lbs./gal. @ 25° C.
<b>Autoignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	252 cps @ 25° C; 172 cps @ 40° C
<b>Other:</b>	None

## Section 10: Stability and Reactivity

<b>Reactivity:</b>	Not reactive
<b>Chemical Stability:</b>	Stable under normal use and storage conditions.
<b>Possible Hazardous Reactions:</b>	Will not occur
<b>Conditions to Avoid:</b>	Thermal, mechanical and electrical ignition sources.
<b>Incompatible Materials:</b>	None known
<b>Hazardous Decomposition Products:</b>	None known

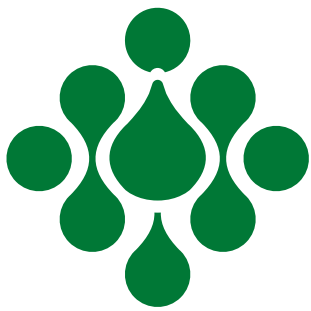
## Section 11: Toxicological Information

### Health Effects Information:

<b>Likely routes of exposure:</b>	Dermal, Inhalation
<b>Symptoms of exposure:</b>	Eye irritation, Drowsiness or Dizziness.
<b>Delayed, immediate and chronic effects of exposure:</b>	Possible carcinogenicity, eye irritation, allergic skin reaction, drowsiness or dizziness.

### Numerical measures of toxicity (acute toxicity/irritation studies on the finished product):

<b>Ingestion:</b>	Oral (LD <sub>50</sub> Rat)	> 5,000 mg/kg body weight
<b>Dermal:</b>	Dermal (LD <sub>50</sub> Rat)	> 5,000 mg/kg body weight
<b>Inhalation:</b>	Inhalation (LC <sub>50</sub> Rat)	> 2.55 mg/l air @ 4 hours
<b>Eye Contact:</b>	Minimally Irritating (Rabbit)	
<b>Skin Contact:</b>	Slightly Irritating (Rabbit)	
<b>Skin Sensitization:</b>	Sensitizing (Guinea Pig)	



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## **Reproductive Development Effects:**

Prodiamine: Fetal toxicity at high dose levels (rats); developmental and maternal toxicity observed at 1 g/kg/day

## **Chronic/Subchronic Effects:**

Prodiamine: Liver (alteration and enlargement) and thyroid effects (hormone imbalances) at high dose levels (rats); decreased body weight gains.

## **Carcinogenicity:**

Prodiamine: Possible human carcinogen based on limited animal evidence in the absence of human data.

## **Chemical Name**

## **NTP/IARC/OSHA Carcinogen**

Prodiamine	No
Glycerine	No
Petroleum Distillates	No
Other Ingredients	No

## **Other Toxicity Information:**

None

## **Toxicity of Other Components:**

**Glycerine:** Repeated excessive exposure may cause increased fat levels in blood. Very large doses by oral administration in animal studies indicate kidney, liver and gastrointestinal effects. Inhalation of vapors may cause irritation of the upper respiratory tract.

**Petroleum Distillates:** Repeated excessive exposure may cause irritation of the skin, eyes and respiratory tract, as well as the potential for a reduction in lung function. Animal studies indicate some evidence of mutagenicity and carcinogenicity.

**Other Ingredients:** Not Applicable

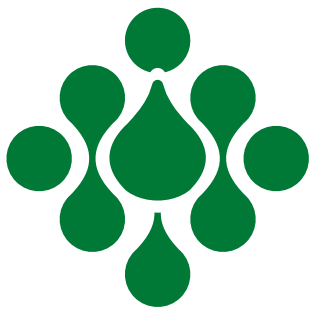
## **Target Organs:**

<b>Prodiamine:</b>	Liver, Thyroid
<b>Glycerine:</b>	Kidney, Liver, Gastrointestinal and Respiratory Tracts.
<b>Petroleum Distillates:</b>	Skin, Eyes, Lung and Respiratory Tract.
<b>Other Ingredients:</b>	Not Applicable

## **Section 12: Ecological Information**

### **Eco-Acute Toxicity:**

<b>Prodiamine:</b>	Fish (Bluegill Sunfish) 96-hour LC <sub>50</sub> > 552 ppb
	Invertebrate (Water Flea) Daphnia Magna 48-hour EC <sub>50</sub> > 83 ppb
	Bird (Bobwhite Quail) 14-day LD <sub>50</sub> > 2,250 mg/kg



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## Environmental Fate:

**Prodiamine:** Does not bioaccumulate.  
Persistent in soil.  
Stable in water.  
Immobile in soil.  
Sinks in water (after 24 hours).

## **Section 13: Disposal Considerations**

**Disposal:** Do not reuse product containers. Dispose of product containers, waste containers and residues according to local, state and federal health and environmental regulations.

**Characteristic Waste:** Not Applicable.

**Listed Waste:** Not Applicable

## **Section 14: Transport Information**

### DOT Classification:

#### **Ground Transport – NAFTA**

Not Regulated

### Comments:

#### **Water Transport – International**

**Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Prodiamine), Marine Pollutant.

**Hazard Class:** Class 9

**Identification Number:** UN 3082

**Packing Group:** PG III

#### **Air Transport**

**Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Prodiamine).

**Hazard Class:** Class 9

**Identification Number:** UN 3082

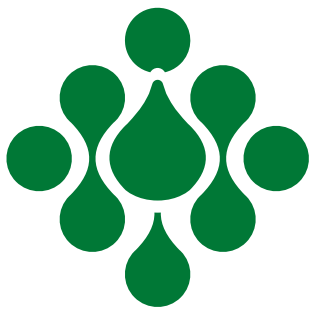
**Packing Group:** PG III

## **Section 15: Regulatory Information**

### Pesticide Registration:

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:

**Caution:** May be harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing vapor. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.



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<b><u>EPA Registration Number:</u></b>	89442-26
<b><u>EPCRA SARA Title III Classification:</u></b>	
<b>Section 311/312 Hazard Classes:</b>	Acute Health Hazard Chronic Health Hazard
<b>Section 313 Toxic Chemicals:</b>	None
<b><u>CERCLA/SARA 304 Reportable Quantity (RQ):</u></b>	None
<b><u>RCRA Hazardous Waste Classification (40 CFR 261):</u></b>	Not Applicable
<b><u>TSCA Status:</u></b>	Exempt from TSCA, subject to FIFRA.

## Section 16: Other Information

	<b><u>NFPA Hazard Rating</u></b>	<b><u>HMIS Hazard Rating</u></b>	
<b>Health:</b>	2	2	0 = Minimal
<b>Flammability:</b>	1	1	1 = Slight
<b>Reactivity:</b>	0	0	2 = Moderate
			3 = High
			4 = Severe

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR Part 1910.1200). In addition, other substances not "Hazardous" per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

**NOTICE:** The information herein is presented in good faith and believed to be accurate as on the effective date shown below. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State and Local laws and regulations.

**Original Date:** February 10, 2010  
**Revised:** December 2, 2015