

  
**SIPCAM AGRO**  
USA, INC.  
**Cavalcade 4L**

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 2018-07-24

Version: 1.0

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY**

**1.1. Product Identifier**

**Product Form:** Mixture

**Product Name:** Cavalcade 4L

**Synonyms:** Prodiamine, 40.5%

**1.2. Intended Use of the Product**

**Use of the substance/mixture:** Weed killing compound

**1.3. Name, Address, and Telephone of the Responsible Party**

**Manufacturer**

Sipcam Agro USA, Inc.

2525 Meridian Parkway, Suite 350

Durham, NC 27713

T 919-226-1195

**1.4. Emergency Telephone Number**

**Emergency Number** : (800) 424-9300 CHEMTREC (transportation and spills)

(800) 900-4044 Poison Control Center (human health)

(800) 345-4735 ASPCA (animal health)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the Substance or Mixture**

**Classification (GHS-US)**

Sensitization - Skin Category 1B; H317

Carcinogenicity Category 2; H351

Specific Target Organ Toxicity - Single Exposure Category 3; H336

Specific Target Organ Toxicity - Repeated Exposure Category 2; H373

**2.2. Label Elements**

**GHS-US Labeling**

**Hazard Pictograms (GHS-US)** :



**Signal Word (GHS-US)** :

Warning

**Hazard Statements (GHS-US)** :

H317- May cause an allergic skin reaction. H351 - Suspected of causing cancer.

H336 - May cause drowsiness or dizziness.

H373 - May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements (Prevention)** :

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements (Response)** :

P301+P312: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352: IF ON SKIN: Wash with soap and water.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

# Cavalcade 4L

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P312 - Call a POISON CENTER or doctor/physician If you feel unwell.

P308 - IF exposed or concerned, get medical advice/attention.

P331 - Do NOT induce vomiting.

P333- If skin irritation or rash occurs, get medical advice/attention.

P362 - Wash contaminated clothing before reuse.

**Precautionary Statements (Storage)** : P405 - Store locked up.

**Precautionary Statements (Disposal)** : P501 - Dispose of contents/container to an approved waste disposal plant.

### 2.3. Other Hazards

No additional information available

### 2.4. Unknown Acute Toxicity (GHS-US)

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name               | Product Identifier | %            | Classification      |
|--------------------|--------------------|--------------|---------------------|
| Prodiamine         | CAS No 29091-21-2  | 40.5         | Skin sens. 1B; H317 |
| Propylene glycol   | CAS No 57-55-6     | Trade Secret | Carcin. 2; H351     |
| Attapulgitte clay  | CAS No 12174-11-7  | Trade Secret | STOT-SE. 3; H335    |
| Other ingredients* | Not available      | 59.5         | STOT-RE. 2; H373    |

\*Ingredients not specifically listed are non-hazardous or are to be considered proprietary or confidential business information per 29CFR 1910.1200(i).

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:** May be harmful if swallowed or inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. May cause drowsiness or dizziness.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Treatment:** There is no specific antidote. Treat symptomatically. Persons suffering temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565

Take container, label or product name with you when seeking medical attention.

**NOTES TO PHYSICIAN:** There is no specific antidote. Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Alcohol foam, carbon dioxide, dry chemical, water spray, fog. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** May produce toxic combustion gases.

# Cavalcade 4L

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 5.3. Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Other information:** Do not allow run-off from fire fighting to enter drains or water courses. De-contaminate equipment or materials involved in pesticide fires.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Handle in accordance with good industrial hygiene and safety practice.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Avoid inhalation of mists and vapors, and contact with skin and eyes.

**Emergency Procedures:** Evacuate unnecessary personnel. Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely.

### 6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Hygiene Measures:** Do not breathe mist, vapors or spray. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

**Storage Area:** Store locked up.

### 7.3. Specific End Use(s) Weed killing compound

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

Occupational Exposure Limits

| Prodiamine (29091-21-2) |                                       |             |
|-------------------------|---------------------------------------|-------------|
| USA ACGIH               | ACGIH TLVs (TWA) (mg/m <sup>3</sup> ) | No Listings |
| USA ACGIH               | ACGIH Biological Exposure Indices     | No Listings |
| USA OSHA                | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | No Listings |

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: When engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation or engineering controls specific to the task at hand (refer to product labeling for specific information).

#### Personal Protective Equipment

: Protective goggles. Gloves.

#### Eye Protection

: Goggles or shielded safety glasses are recommended.

# Cavalcade 4L

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                               |  |
|-------------------------------|--|
| <b>Skin Protection</b>        | : Long-sleeved shirt and long pants. Chemical-resistant gloves. Shoes plus socks. Chemical resistant apron (for mixers loaders, and cleaners).   |
| <b>Respiratory Protection</b> | : Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHNNIOSH approved dust mist filtering respirator with any N, R, P, or HE filter. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown. |
| <b>Other Information</b>      | : When using, do not eat, drink or smoke.  |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

|   |   |
|---|---|
| <b>Physical State</b>                             | : Liquid                                |
| <b>Appearance</b>                                 | : Yellow                                |
| <b>Odor</b>                                       | : Weak ammonia                          |
| <b>Odor Threshold</b>                             | : No data available                     |
| <b>pH</b>   | : 8-10 (1% suspension)                  |
| <b>Relative Evaporation Rate (butylacetate=1)</b> | : No data available                     |
| <b>Melting Point</b>                              | : No data available                     |
| <b>Freezing Point</b>                             | : No data available                     |
| <b>Boiling Point</b>                              | : No data available                     |
| <b>Flash Point</b>                                | : > 212°F   >100°C                      |
| <b>Auto-ignition Temperature</b>                  | : No data available                     |
| <b>Decomposition Temperature</b>                  | : No data available                     |
| <b>Flammability (solid, gas)</b>                  | : No data available                     |
| <b>Vapor Pressure</b>                             | : < 5.6 x 10 <sup>-6</sup> mm Hg @ 20°C |
| <b>Relative Vapor Density at 20 °C</b>            | : No data available                     |
| <b>Relative Density</b>                           | : No data available                     |
| <b>Specific Gravity</b>                           | : 1.17 g/mL                             |
| <b>Density</b>                                    | : 9.76 lbs/gal / 1.17 kg/L              |
| <b>Solubility</b>                                 | : Water: 0.013 ppm @25°C                |
| <b>Log Pow</b>                                    | : No data available                     |
| <b>Log Kow</b>                                    | : No data available                     |
| <b>Viscosity, Kinematic</b>                       | : No data available                     |
| <b>Viscosity, Dynamic</b>                         | : No data available                     |
| <b>Explosive Properties</b>                       | : No data available                     |
| <b>Oxidizing Properties</b>                       | : No data available                     |
| <b>Explosive Limits</b>                           | : Not applicable                        |

**9.2. Other Information** No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Stable
- 10.2 Chemical Stability:** Product is stable under normal temperature conditions.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Thermal, mechanical and electrical ignition sources.
- 10.5 Incompatible Materials:** None known
- 10.6 Hazardous Decomposition Products:** None known

# Cavalcade 4L

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information On Toxicological Effects

**Acute Toxicity** : Skin contact, Inhalation

**LC<sub>50</sub> (rat)**: > 2.55mg/L (4 HR)

**LD<sub>50</sub> Oral (rat)**: > 5,000 mg/kg

**LD<sub>50</sub> Dermal (rat)**: > 5,000 mg/kg

**Acute Toxicity Estimates**: No data available

**Skin Irritation (rabbit)**: Slightly irritating.

**Eye Irritation (rabbit)**: Minimally irritating.

**Specific Target Organ Toxicity**: Repeated overexposure may cause damage to liver, thyroid, lungs, eyes, central nervous system.

**Aspiration**: No data available.

**Skin Sensitization (guinea pig)**: Sensitizer.

**Carcinogenicity**: IARC-2B (Possibly Carcinogenic to Humans)

**Germ Cell Mutagenicity**: No data available

**Interactive Effects**: None known

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Prodiamine

*Lepomis macrochirus* >552 ppb (96-hour LC<sub>60</sub>)

*Daphnia Magna* >83 ppb (48-hour EC<sub>50</sub>)

Drift or runoff may adversely affect non-target plants. Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.

#### 12.2. Persistence and Degradability

Persistent in soil.

#### 12.3. Bioaccumulative Potential

Does not bioaccumulate.

#### 12.4. Mobility in Soil

Immobile

#### 12.5. Other Adverse Effects

**Other Information** : No data available

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

**Waste Disposal Recommendations**: Dispose of waste material in accordance with all local, regional, national, and international regulations.

### SECTION 14: TRANSPORT INFORMATION

#### 14.3 In Accordance with IATA

DOT Shipping Description: NOT REGULATED.

U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120; CLASS: 60)

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, Health and Environmental Regulations

NFPA & HMIS Hazard Ratings

|          |          |          |
|----------|----------|----------|
| NFPA     | 0 Least  | HMIS     |
| 2 Health | 1 Slight | 2 Health |

# Cavalcade 4L

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                |            |                |
|----------------|------------|----------------|
| 1 Flammability | 2 Moderate | 1 Flammability |
| 0 Instability  | 3 High     | 0 Reactivity   |
|                | 4 Severe   | H PPE          |

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate-Y

Fire-N

Sudden Release of Pressure-N

Delayed-Y

Reactive-N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. 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, while mixing or handling the concentrated material, may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash clothing before reuse.

## SECTION 16: OTHER INFORMATION

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.* SDS US (GHS HazCom)