



# Safety Data Sheet

Issue Date: 06-Mar-2009

Revision Date: 10-Sept-2015

Version 2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Pruvin

### Other means of identification

**SDS #** ADAMA-037

**Registration Number(s)** EPA Reg. No. 66222-184

### Recommended use of the chemical and restrictions on use

**Recommended Use** EPA registered pesticide.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Makhteshim Agan of North America, Inc. (d/b/a ADAMA)  
3120 Highwoods Blvd., Suite 100  
Raleigh, NC 27604  
1-919-256-9300

### Emergency Telephone Number

**Emergency Telephone (24 hr)** For fire, spill and/or leak contact INFOTRAC:  
1-800-535-5053 (North America) 1-352-323-3500 (International)  
For medical emergencies and health/safety inquiries, contact PROSAR:  
1-877-250-9291

## 2. HAZARDS IDENTIFICATION

This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information. The product contains no substances which, at their given concentration, are considered to be hazardous to health.

**Appearance** Off-white cylindrical granules

**Physical State** Solid

**Odor** Characteristic Weak odor

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No      | Weight-% |
|---------------|-------------|----------|
| Rimsulfuron   | 122931-48-0 | 25       |

## 4. FIRST-AID MEASURES

### First Aid Measures

|                       |   |
|-----------------------|---|
| <b>General Advice</b> | When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.  |
| <b>Eye Contact</b>    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice. |
| <b>Skin Contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a poison control center or doctor for treatment advice.                       |
| <b>Inhalation</b>     | Give oxygen if breathing is difficult. If breathing has stopped, call 911, give artificial respiration. Seek medical attention for further treatment.   |
| <b>Ingestion</b>      | Immediately call a poison center or doctor/physician. Do not induce vomiting, unless directed by medical personnel. Never give anything by mouth to an unconscious person.                    |

### Most important symptoms and effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Exposed individuals may experience eye tearing, redness and discomfort. May cause skin irritation with redness and swelling. May cause respiratory irritation. May cause nausea, vomiting and/or diarrhea if ingested. |
|-----------------|--|

### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Not determined.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Oxides of sulfur.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area of unprotected personnel. Remain upwind of fire to avoid hazardous vapors and decomposition products. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Avoid creating dust. |
| <b>Environmental Precautions</b> | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.                  |

**Methods and material for containment and cleaning up**

|                                |  |
|--------------------------------|--|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so.  |
| <b>Methods for Clean-Up</b>    | Vacuum or sweep up material and place in a disposal container. Wash area with soap and water. Pick up wash liquid with inert absorbent and place in a chemical waste container for disposal. |

**7. HANDLING AND STORAGE****Precautions for safe handling**

|                                |  |
|--------------------------------|--|
| <b>Advice on Safe Handling</b> | Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Use only with adequate ventilation. Do not eat, drink, smoke, or apply cosmetics while handling this product. Wash contaminated clothing before reuse. |
|--------------------------------|--|

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

|                               |  |
|-------------------------------|--|
| <b>Storage Conditions</b>     | Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Keep/store only in original container. Store at ambient conditions. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment. |
| <b>Packaging Materials</b>    | Do not reuse container.  |
| <b>Incompatible Materials</b> | None known based on information supplied.  |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

|                                   |  |
|-----------------------------------|--|
| <b><u>Exposure Guidelines</u></b> | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies |
|-----------------------------------|--|

**Appropriate engineering controls**

|                             |   |
|-----------------------------|---|
| <b>Engineering Controls</b> | Please refer to the product label. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. |
|-----------------------------|---|

**Individual protection measures, such as personal protective equipment**

|                                       |   |
|---------------------------------------|---|
| <b>Eye/Face Protection</b>            | Wear safety glasses with side shields (or goggles). Goggles are recommended.  |
| <b>Skin and Body Protection</b>       | Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear long-sleeved shirt, long pants, and shoes plus socks. Use chemical resistant gloves, such as P.V.C., butyl-rubber, nitrile-rubber, or neoprene.   |
| <b>Respiratory Protection</b>         | NIOSH-approved respirator or mask in the absence of adequate ventilation.   |
| <b>General Hygiene Considerations</b> | Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash it before reuse. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                                |                       |                          |
|-----------------------|--------------------------------|-----------------------|--------------------------|
| <b>Physical State</b> | Solid                          | <b>Odor</b>           | Characteristic Weak odor |
| <b>Appearance</b>     | Off-white cylindrical granules | <b>Odor Threshold</b> | Not determined           |
| <b>Color</b>          | Off-white                      |                       |                          |

| <u>Property</u>              | <u>Values</u>                       | <u>Remarks • Method</u> |
|------------------------------|-------------------------------------|-------------------------|
| pH                           | 4-6                                 |                         |
| Melting Point/Freezing Point | Not determined                      |                         |
| Boiling Point/Boiling Range  | Not determined                      |                         |
| Flash Point                  | Not applicable                      |                         |
| Evaporation Rate             | Not determined                      |                         |
| Flammability (Solid, Gas)    | Not determined                      |                         |
| Upper Flammability Limits    | Not applicable                      |                         |
| Lower Flammability Limit     | Not applicable                      |                         |
| Vapor Pressure               | Not determined                      |                         |
| Vapor Density                | Not determined                      |                         |
| Specific Gravity             | Not determined                      |                         |
| Water Solubility             | Not determined                      |                         |
| Solubility in other solvents | Not determined                      |                         |
| Partition Coefficient        | Not determined                      |                         |
| Auto-ignition Temperature    | Not determined                      |                         |
| Decomposition Temperature    | Not determined                      |                         |
| Kinematic Viscosity          | Not determined                      |                         |
| Dynamic Viscosity            | Not determined                      |                         |
| Explosive Properties         | Not determined                      |                         |
| Oxidizing Properties         | Not determined                      |                         |
| Bulk Density                 | 0.536 g/ml (Pour); 0.581 g/ml (Tap) |                         |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Other toxic gases.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                           |
|---------------------|---------------------------|
| <b>Eye Contact</b>  | Avoid contact with eyes.  |
| <b>Skin Contact</b> | Avoid contact with skin.  |
| <b>Inhalation</b>   | Avoid inhalation of dust. |
| <b>Ingestion</b>    | Do not taste or swallow.  |

**Component Information** Not available

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Product Information (Numerical measures of toxicity)

**Acute Oral LD50 (Rat):** >5,000 mg/kg

**Acute Dermal LD50 (Rabbit):** >2,000 mg/kg

**Acute Inhalation LC50 (Rat):** >7.5 mg/L (4-hr)

**Eye Irritation:** Moderately irritating.

**Dermal Irritation:** Non-irritating.

**Dermal Sensitization:** Not a skin sensitizer.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

**Component Information** Not available

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### Other Adverse Effects

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

|                               |  |
|-------------------------------|--|
| <b>Disposal of Wastes</b>     | Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance. |
| <b>Contaminated Packaging</b> | Disposal should be in accordance with applicable regional, national and local laws and regulations.  |

### 14. TRANSPORT INFORMATION

|                    |               |
|--------------------|---------------|
| <b><u>DOT</u></b>  | Not regulated |
| <b><u>IATA</u></b> | Not regulated |
| <b><u>IMDG</u></b> | Not regulated |

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA** All ingredients are listed or exempt from listing on Chemical Substance Inventory

#### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

#### US Federal Regulations

#### SARA 311/312 Hazard Categories

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

#### SARA 313

Not determined

#### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

Not determined

**EPA Pesticide Registration Number** : 66222-184

#### **EPA Statement**

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. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label**

Signal Word: Caution

Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, and clothing. Avoid breathing dust or spray mist.

**Difference between SDS and EPA pesticide label**

|                                   | EPA                                  | OSHA |
|-----------------------------------|--------------------------------------|------|
| <b>Signal Word</b>                | Caution                              | N/A  |
| Acute toxicity - Dermal           | Harmful if absorbed through the skin | N/A  |
| Serious eye damage/eye irritation | Causes moderate eye irritation       | N/A  |

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

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None

**HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

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See section 8

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10-Sept-2015

**Revision Note:**

Updated format from 25-Jul-2014

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**