



PRIMERO Agricultural Herbicide

Safety Data Sheet

US

Revision date: March 3, 2015

Version: 1.0

SECTION 1: Product and Company Identification

1.1. Product identifier

Trade name : PRIMERO Agricultural Herbicide

EPA Registration Number : 83100-8-83979

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/preparation : Agricultural Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rotam North America, Inc.
4900 Koger Blvd., Suite 140
Greensboro, NC 27407
Phone: 1-(866) 927-6826 (toll free); 1-(336) 346-8802
msds@rotam.com

1.4. Emergency telephone number

Emergency number : (800)-424-9300 (CHEMTREC)
(800)-222-1222 (National Poison Information Center)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

H-phrases are shown in labeling elements below (where applicable)

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

GHS Labeling Elements

Hazard pictograms

:



GHS09

Signal word : Warning

Hazard statements : H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements : P273 - Avoid release to the environment
P391 - Collect spillage
P501 - Dispose of contents/container to local regulation.

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

Name	Product identifier	%/wt.
Nicosulfuron	(CAS No.) 111991-09-4	75
Inert Ingredients	NA	25

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures – if inhaled	: Move 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 or doctor for treatment advice.
First-aid measures – if on skin	: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
First-aid measures – if in eyes	: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice if irritation develops or persists.
First-aid measures – if swallowed	: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person
First-aid measures – general	: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. See Label for Additional Precautions and Directions for Use.

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

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂).
Unsuitable extinguishing media	: High volume water jet. (Water contamination risk from runoff)

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Hazardous decomposition products may be released during prolonged heating like smoke, carbon monoxide and dioxide, sulfides and nitrogen oxides (NO _x).
Explosion hazard	: Product is not explosive.
Reactivity	: The product is stable at normal handling- and storage conditions.

5.3. Advice for firefighters

Firefighting instructions	: Prevent runoff from entering drains, sewers or waterways.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear appropriate personal protective equipment (PPE): coveralls, gloves, and boots. Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations. Prevent material from entering sewers, waterways, or low areas. Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

6.1.1. For non-emergency personnel

Protective equipment : Wear appropriate personal protective equipment (PPE): coveralls, gloves, and boots.

Emergency procedures : Avoid contact with spilled material

6.1.2. For emergency responders

Protective equipment : Wear appropriate personal protective equipment (PPE): coveralls, gloves, and boots.

6.2. Environmental precautions

Prevent material from entering sewers, waterways, or low areas. Do not allow material to contaminate water systems.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store in a cool, dry place. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Keep out of the reach of children.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Personal protective equipment

Applicators and other handlers must wear: Safety glasses, long sleeved shirt and long pants Chemical-resistant gloves, (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils. Shoes plus socks

PPE required for early entry to treated areas that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls. Chemical-resistant gloves, (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils. Shoes plus socks

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8.2. Exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid (Granules)
Color	: White
Odor	: Slight, acrid
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Self-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non- flammable
Vapor pressure	: No data available
Relative Vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.636 g/ml
Solubility	: Dispersible
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: No oxidizing properties
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

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10.4. Conditions to avoid

All heat sources.

10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

10.6. Hazardous decomposition products

Thermal decomposition may emit toxic fumes of CO₂, NO₂ and organic sulfides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Primero	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 4000 mg/kg
LC50 inhalation rat (mg/l)	> 4.12mg/l/4h

Irritation	: Not classified as an irritant per GHS criteria (may cause slight eye irritation)
Corrosivity	: Not classified
Sensitization	: Not classified
Repeated dose toxicity	: Not classified
Carcinogenicity	: Not classified
Mutagenicity	: Not classified
Toxicity for reproduction	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Nicosulfuron is very toxic to aquatic life with long lasting effects. Data for the product are not available.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

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SECTION 14: Transport information

Not Regulated by US DOT or Canadian TDG for ground shipment

Ground transport

Not Regulated by US DOT

Not Regulated by Canadian TDG

Transport by sea (IMDG)

UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (nicosulfuron); 9; III

Air transport (IATA)

UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (nicosulfuron); 9; III

Additional Air, Sea and International Transportation Information

UN-No. : 3077
Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(nicosulfuron)
Transport document description : UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (nicosulfuron); 9; III
Class (UN) : 9
Hazard labels (UN) : 9



Packing group (UN) : III
Marine Pollutant (Y/N) : Y
Dangerous for the environment :



SECTION 15: Regulatory information

FIFRA Information:

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:

Signal word : CAUTION
Hazard statements : Causes moderate eye irritation
Harmful if absorbed through skin
Precautionary statements : Avoid contact with skin, eyes or clothing.

SARA 313 Regulated Chemical(s): Not applicable

Title III hazard classification:

Acute Health Hazard: No

Chronic Health Hazard: No

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Fire: No

Reactivity/Physical hazard: No

Pressure: No

Canadian Regulatory Information:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2B – Toxic

SECTION 16: Other information

MSDS US

Disclaimer: *The information provided by Rotam North America, Inc. contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.*