



# Primero 40SC

Safety Data Sheet

US

Revision date: May 11, 2015

Version: 1.0

## SECTION 1: Product and Company Identification

### 1.1. Product identifier

Trade name : Primero 40SC  
EPA Registration Number : 83100-11-83979

### 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 : Herbicide be used by professionals for agriculture

#### 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](mailto:msds@rotam.com)

### 1.4. Emergency telephone number

Emergency numbers : 1-800-858-7378 (NPIC)  
1-800-222-1222 (Poison Control Center)  
(800)-424-9300, (703)-527-3887 (CHEMTREC)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification

<u>Hazard Class</u>	<u>Category</u>	<u>Hazard Statement</u>
Aquatic Toxicity (Acute)	1	H400
Aquatic Toxicity (Chronic)	1	H401

If applicable, full text of H-phrases appear in "Label elements" below

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### GHS Labeling Elements

Hazard pictograms



GHS09

Signal word : Warning

# Primero 40SC

## Safety Data Sheet

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

## SECTION 3: Composition/information on ingredients

Name	Product identifier	%/wt.
Nicosulfuron	(CAS No.) 111991-09-4	4.18
Inert Ingredients	NA	95.82

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>IF INHALED</b>	: 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.
<b>IF ON SKIN OR CLOTHING</b>	: 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 if irritation develops or persists.
<b>IF IN EYES</b>	: 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.
<b>IF SWALLOWED</b>	: 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.
Notes to Physician	: The compound does not cause any definite symptoms that would be diagnostic. No specific antidote. Treat symptomatically.

### 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

# Primero 40SC

## Safety Data Sheet

### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).  
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 smokes, carbon monoxide and dioxide, nitrogen oxides (NO<sub>x</sub>).  
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.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Wear appropriate personal protective equipment (PPE) : coveralls, gloves, boots. 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, boots.  
Emergency procedures : Avoid contact with spilled material

#### 6.1.2. For emergency responders

- Protective equipment : Wear appropriate personal protective equipment (PPE) : coveralls, gloves, 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 : Large spills: Absorb with non-combustible absorbent. .Scoop solid spill into closed containers. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

### 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

# Primero 40SC

## Safety Data Sheet

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: 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

### 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	: Liquid
Color	: Greyish beige
Odor	: Specific odor
Odor threshold	: No data available
pH	: 4.25
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 found
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non- flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.956 g/m <sup>3</sup>

# Primero 40SC

## Safety Data Sheet

Solubility	: No data available
Log Pow	: 0.61
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 20 °C 122.8mPa@200s <sup>-1</sup> 122.0mPa@800s <sup>-1</sup> 40 °C 63.14mPa@200s <sup>-1</sup> 57.07mPa@800s <sup>-1</sup>
Explosive properties	: Not explosive
Oxidising properties	: No oxidising 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

### 10.4. Conditions to avoid

All heat sources.

### 10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Nicosulfuron 40g/L SC	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 4000 mg/kg
LC50 inhalation rat (mg/l)	> 5.10mg/l/4h

Irritation	: Not classified
Corrosivity	: Not classified
Sensitisation	: Not classified
Repeated dose toxicity	: Not classified
Carcinogenicity	: Not classified

# Primero 40SC

## Safety Data Sheet

Mutagenicity : Not classified

Toxicity for reproduction : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Nicosulfuron 40g/L SC

LC50 fish	> 100 mg/l
EC50 Daphnia	3.35 mg/l
ErC50 (algae)	26.87 mg/l green algae

#### Nicosulfuron (111991-09-4)

LC50 fish	0.0032 mg/l
ErC50 (other aquatic plants)	Lemna gibba 0.0017 mg/l

### 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

## 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

# Primero 40SC

## Safety Data Sheet

### Transport by sea (IMDG)

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (nicosulfuron); 9; III

### Air transport (IATA)

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (nicosulfuron); 9; III

### Additional Air, Sea and International Transportation Information

UN-No. : 3082  
Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(nicosulfuron)  
Transport document description : UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 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 : Harmful if swallowed or inhaled.  
Precautionary statements : Avoid breathing spray mist. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**SARA 313 Regulated Chemical(s):** Not applicable

### Title III hazard classification:

Acute Health Hazard: No  
Chronic Health Hazard: No  
Fire: No  
Reactivity/Physical hazard: No  
Pressure: No

# Primero 40SC

## Safety Data Sheet

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### 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

**NFPA:**

Health: 1; Flammability: 0; Reactivity: 0; Specific:

**HMIS:**

Health: 1; Flammability: 0; Physical Hazard: 0; PPE: E

SDS US

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