

# Selective Iron Broadleaf Herbicide for Lawns

## Safety Data Sheet

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

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Selective Iron Broadleaf Herbicide for Lawns  
Product code : 677022793133

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

Use of the substance/mixture : Herbicide

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

Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424  
T (315) 736-8231  
[www.bonide.com](http://www.bonide.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Acute Tox. 1 (Inhalation:mist) H335  
Eye Dam. 2B H320  
Skin Sens. 1 H316

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

Warning

Hazard statements (GHS-US)

: H335 Harmful if inhaled.  
H316 May cause allergic skin reaction.  
H320 May cause eye irritation.

Precautionary statements (GHS-US)

: P281 Wear protective gloves  
P303 + P352 If on skin (or hair): Wash with plenty of soap and water.  
P333 + P311 If skin irritation or rash occurs: Call a Poison Center or doctor/physician.  
P305 + P351 If in eye: Rinse cautiously with water for several minutes.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container to hazardous to special waste collection point.

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### Mixture

Name	Product identifier	%	Hazard Information
Sodium Nitrate	(CAS No) 7631-99-4	1 - 2	Oxidant, Irritant
Iron HEDTA (Fe HEDTA)	(CAS No) 17084-02-5	1.5	Irritant

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

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- First-aid measures after inhalation : Assure fresh air breathing. Allow the person to rest. Administer oxygen if breathing is difficult. Give artificial respiration if person is not breathing.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse for at least 20 minutes. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

### 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 : Regular foam, carbon dioxide, dry chemical or water.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : None.

### 5.3. Advice for firefighters

- Firefighting instructions : No special measures required.

## SECTION 6: Accidental release measures

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

- General measures : Use personal protective equipment as required. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent product from entering drains.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- 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

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : No special precautions are necessary if used correctly.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep container closed in a dry and cool place. Keep in properly labeled containers.
- Storage conditions : Store in ambient temperature, well-ventilated place away from excessive heat. Keep away from incompatible materials.
- Incompatible materials : Aluminum, Zinc, Steel.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Eye/Face Protection:** Safety goggles. Face protection shield.

**Skin Protection:** Wear protective gloves and protective clothing.

**Respiratory Protection:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If not, wear suitable respiratory equipment.

**General:** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Do not release into the environment.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Dark red liquid
Color	: Dark Red
Odor	: Slight ammonia smell
Odor threshold	: No data available
pH	: 6.00± 0.50
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Non combustible
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Product is not flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Density @ 20°C (68°F)	: 1.02
Solubility	: Soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity	: 2 ± 1 cPs (Brookfield LVF)
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2. Chemical stability

Stable under normal conditions and pressures.

#### 10.3. Possibility of hazardous reactions

No dangerous reaction known.

#### 10.4. Conditions to avoid

Exposure to excessive heat.

#### 10.5. Incompatible materials

Aluminum, Zinc, Steel.

#### 10.6. Hazardous decomposition products

NH<sub>3</sub>, NO<sub>x</sub>

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Toxicological Data:

Oral LD50 (rat) : >5,000 mg/Kg, Dermal LD50 (rat) : >5,000mg/Kg

**Skin:** May cause skin sensitization

**Eyes:** Causes slight irritation (reversible)

**Ingestion:** None identified.

**Inhalation:** Slight irritant.

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**Carcinogenicity:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

### SECTION 12: Ecological information

No further relevant information available.

### SECTION 13: Disposal considerations

**DISPOSAL METHOD:** Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### 13.1. Waste Treatment Methods

Dispose of content and/or container in accordance with local, regional, and/or national regulations.

### SECTION 14: Transport information

In accordance with DOT

#### Additional information

Other information : No supplemental information available.

### SECTION 15: Regulatory 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:

#### CAUTION

Causes slight eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### Environmental Hazards

For terrestrial uses: 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 disposing of equipment wash water or rinsate. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

#### 15.1. US Federal regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Other information : None.

Full text of H-phrases:

H316	Causes mild skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

SDS US (GHS HazCom 2012) - Pesticides

*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.*