

Date: 4/15/2016  
Replaces: 9/12/2007

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### 1. PRODUCT IDENTIFICATION

Product identifier on label: CHARGER BASIC®  
Unity #: 10063568  
Use: Herbicide  
Manufacturer: Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul MN 55164  
Medical Emergency Phone: 1-877-424-7452

**Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Phone: 1-800-424-9300**

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### 2. HAZARDS IDENTIFICATION

Classifications: Inhalation: Category 4  
Skin Sensitizer: Category 1B  
Specific Target Organ Toxicity: Repeated Category 2  
Specific Target Organ Toxicity: Respiratory Irritation Category 3  
Eye Damage/Irritation: Category 2B  
Carcinogenicity: Category 1B

Signal Word (OSHA): Danger

Hazard Statements: May cause an allergic skin reaction  
Causes eye irritation  
Harmful if inhaled  
May cause respiratory irritation  
May cause cancer  
May cause damage to organs through prolonged or repeated exposure

Hazard Symbols:



Precautionary Statements: Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe mist, vapors, spray.  
Wash hands and face thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves, protective clothing, eye protection.  
If on skin: Wash with plenty of soap and water.

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If skin irritation or rash occurs: Get medical advice.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice.  
If exposed or concerned: Get medical advice/attention.  
Call a poison center or doctor if you feel unwell.  
  
See Section 4 First Aid Measures.  
Wash contaminated clothing before reuse.  
Store locked up.  
Dispose of contents and container in accordance with local regulations.

Other Hazard Statements: None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name  | Common Name       | CAS Number   | Concentration |
|--|-------------------|--------------|---------------|
| Naphthalene  | Naphthalene       | 91-20-3      | <1.0%         |
| Petroleum Solvent  | Petroleum Solvent | 64742-94-5   | <10.0%        |
| Other ingredients  | Other ingredients | Trade Secret | <5.3%         |
| Acetamide, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)-, (S) | S-Metolachlor     | 87392-12-9   | 83.7%         |

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

Have the product container, label or Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment.

**Ingestion:** If swallowed: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Eye Contact:** If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin Contact:** If on skin or clothing: 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.

**Inhalation:** If inhaled: Move person 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 further treatment advice.

Most important symptoms/effects:

Eye irritation  
Allergic skin reaction  
Respiratory irritation

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Indication of immediate medical attention and special treatment needed:

There is no specific antidote if this product is ingested.

Treat symptomatically.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

## 5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO2 extinguishing media. If water is used to fight fire, dike and collect runoff.

Specific Hazards:

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

## 7. HANDLING AND STORAGE

Precautions for safe handling:

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities:

Store locked up.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

Occupational Exposure Limits:

| Chemical Name | OSHA PEL   | ACGIH TLV         | Other      | Source |
|---------------|------------|-------------------|------------|--------|
| Naphthalene   | 10 ppm TWA | 10 ppm TWA (skin) | 10 ppm TWA | NIOSH  |

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|                   |                 |                 |                                       |                |
|-------------------|-----------------|-----------------|---------------------------------------|----------------|
| Petroleum Solvent | Not Established | Not Established | 100 mg/m <sup>3</sup> (15-17 ppm) TWA | Manufacturer   |
| Other ingredients | Not Applicable  | Not Applicable  | Not Applicable                        | Not Applicable |
| S-Metolachlor     | Not Established | Not Established | 5 mg/m <sup>3</sup> TWA               | Syngenta       |

Appropriate engineering controls:

Use effective engineering controls to comply with occupational exposure limits (if applicable).

Individual protection measures:

**Ingestion:**

Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

**Eye Contact:**

Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Skin Contact:**

Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber or Viton), coveralls, socks and chemical-resistant footwear.

**Inhalation:**

A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.

In case of emergency spills, use a NIOSH approved respirator with any R, P or HE filter.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Golden brown liquid

Odor: Sweet

Odor Threshold: Not Available

pH: 5 - 7 (1% solution in H<sub>2</sub>O @ 77°F (25°C))

Melting point/freezing point: Not Applicable

Initial boiling point and boiling range: Not Available

Flash Point (Test Method): > 200°F (Setaflash)

Flammable Limits (% in Air): Not Available

Flammability: Not Applicable

Vapor Pressure: S-Metolachlor 2.8 x 10<sup>(-5)</sup> mmHg @ 77°F (25°C)

Vapor Density: Not Available

Relative Density: 1.09 g/cm<sup>3</sup> @ 68°F (20°C)

Solubility (ies): S-Metolachlor 0.48 g/l @ 77°F (25°C)

Partition coefficient: n-octanol/water: Not Available

Autoignition Temperature: Not Available

Decomposition Temperature: Not Available

Viscosity: Not Available

Other: None

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### 10. STABILITY AND REACTIVITY

Reactivity: Not reactive.  
Chemical stability: Stable under normal use and storage conditions.  
Possibility of hazardous reactions: Will not occur.  
Conditions to Avoid: None known.  
Incompatible materials: None known.  
Hazardous Decomposition Products: Not Available

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### 11. TOXICOLOGICAL INFORMATION

#### Health effects information

Likely routes of exposure: Dermal, Inhalation

Symptoms of exposure: Eye irritation, Respiratory irritation

Delayed, immediate and chronic effects of exposure: Possible carcinogenicity, Eye irritation, Allergic skin reaction, Respiratory irritation

#### Numerical measures of toxicity (acute toxicity/irritation studies (finished product))

|                     |                                |                           |
|---------------------|--------------------------------|---------------------------|
| Ingestion:          | Oral (LD50 Rat) :              | 3425 mg/kg body weight    |
| Dermal:             | Dermal (LD50 Rabbit) :         | > 2000 mg/kg body weight  |
| Inhalation:         | Inhalation (LC50 Rat) :        | > 2.61 mg/l air - 4 hours |
| Eye Contact:        | Moderately Irritating (Rabbit) |                           |
| Skin Contact:       | Slightly Irritating (Rabbit)   |                           |
| Skin Sensitization: | Sensitizing (Guinea Pig)       |                           |

#### Reproductive/Developmental Effects

S-Metolachlor: Did not show reproductive effects in animal experiments.

#### Chronic/Subchronic Toxicity Studies

S-Metolachlor: No adverse effect has been observed in chronic toxicity tests.

#### Carcinogenicity

S-Metolachlor: Did not show carcinogenic effects in animal experiments.

|                   |                          |
|-------------------|--------------------------|
| Chemical Name     | NTP/IARC/OSHA Carcinogen |
| Naphthalene       | See "Toxicity", Sec. 11  |
| Petroleum Solvent | No                       |
| Other ingredients | No                       |

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Acetamide, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)-, (S) No

### Other Toxicity Information

None

### Toxicity of Other Components

#### Naphthalene

Exposure to naphthalene can cause cataracts, liver damage, kidney failure, respiratory failure, hematuria, anemia, damage to red blood cells, leukocytosis, or coma.

#### Carcinogen Status:

NTP: Anticipated Carcinogen

IARC: Group 2B Possible Human Carcinogen

#### Other ingredients

Not Applicable

#### Petroleum Solvent

May cause irritation to the eyes, skin and respiratory system. Excessive inhalation causes headache, dizziness, nausea and loss of motor skills.

### Target Organs

#### Active Ingredients

S-Metolachlor: Liver

#### Inert Ingredients

Naphthalene: Eye, liver, kidney, respiratory tract, blood, CNS

Other ingredients: Not Applicable

Petroleum Solvent: Eye, skin, respiratory system, central nervous system

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## 12. ECOLOGICAL INFORMATION

### Eco-Acute Toxicity S-

#### Metolachlor:

Fish (Rainbow Trout) 96-hour LC50 1.23 mg/l

Green Algae 96-hour ErC50 0.077 mg/l

Invertebrate (Water Flea) 48-hour EC50 11.24 mg/l

### Environmental Fate

#### S-Metolachlor:

The information presented here is for the active ingredient, S-Metolachlor.

Low bioaccumulation potential. Not persistent in soil. Stable in water. Sinks in water (after 24 h).

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## 13. DISPOSAL CONSIDERATIONS

### Disposal:

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

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#### 14. TRANSPORT INFORMATION

##### DOT Classification

Ground Transport - NAFTA  
Packages < 1700 gal. - Not regulated

Packages > 1700 gal.  
Proper Shipping Name: RQ Other Regulated Substances, Liquid, N.O.S. (Naphthalene)  
Hazard Class: Class 9  
Identification Number: NA 3082  
Packing Group: PG III

##### Comments

Water Transport - International  
Proper Shipping Name:  
< 1700 gal.  
Environmentally Hazardous Substance, Liquid, N.O.S. (s-Metolachlor), Marine Pollutant  
> 1700 gal.  
RQ Environmentally Hazardous Substance, Liquid, N.O.S. (s-Metolachlor, Naphthalene), Marine Pollutant  
Hazard Class: Class 9  
Identification Number: UN 3082  
Packing Group: PG III

Air Transport  
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (s-Metolachlor)  
Hazard Class: Class 9  
Identification Number: UN 3082  
Packing Group: PG III

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#### 15. REGULATORY INFORMATION

##### Pesticide Registration:

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 moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing. May cause skin sensitization reactions in certain individuals.

##### EPA Registration Number(s):

1381-207

##### EPCRA SARA Title III Classification:

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Naphthalene <1.0% (CAS No. 91-20-3)

##### California Proposition 65:

This product contains a chemical known to the State of California to cause cancer.

##### CERCLA/SARA 304 Reportable Quantity (RQ):

Report product spills > 1,700 gal. (based on naphthalene [RQ = 100 lbs.] content in the formulation)

##### RCRA Hazardous Waste Classification (40 CFR 261):

Not Applicable

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TSCA Status:  
Exempt from TSCA, subject to FIFRA

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### 16. OTHER INFORMATION

#### NFPA Hazard Ratings

Health: 2  
Flammability: 1  
Instability: 0  
Hazard Category: D,S

#### HMIS Hazard Ratings

Health: 2  
Flammability: 1  
Reactivity: 0

|   |          |
|---|----------|
| 0 | Minimal  |
| 1 | Slight   |
| 2 | Moderate |
| 3 | Serious  |
| 4 | Extreme  |
| * | Chronic  |

For non-emergency questions about this product call: 1-855-494-6343

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Section(s) Revised: All sections

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.