



## SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

### 1. IDENTIFICATION

**PRODUCT NAME:** Cryder  
**DESCRIPTION:** Granular herbicide  
**EPA REG. NO.:** 91234-119  
**COMPANY IDENTIFICATION:** Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### WARNING

Very toxic to aquatic life with long last effects (H400+H410)



#### HAZARD CLASSIFICATION

##### Health Hazards

None

##### Physical Hazards

None

##### Environmental Hazards

Hazardous to the aquatic environment, short-term

Hazardous to the aquatic environment, long-term

Category

-

Category

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Category

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#### HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

#### PRECAUTIONARY STATEMENTS

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273+P391)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Sulfosulfuron	Imidazo[1,2-a]pyridine-3-sulfonamide, N-[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]-2-(ethylsulfonyl)-	141776-32-1	75%
Other Ingredients	--	N/A	25%

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

### 4. FIRST AID MEASURES

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

medical assistance, call SafetyCall: 1-844-685-9173. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

**IF IN EYES:** Hold eyes 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 eyes. Call a poison control center or physician for advice.

### 5. FIREFIGHTING MEASURES

**Fire and Explosion Hazards:** None known.

**Extinguishing Medium:** Dry chemical, foam, fog or CO<sub>2</sub>

**Fire Fighting Equipment:** Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear.

**Fire Fighting Instructions:** Minimize use of water to prevent environmental contamination. Use self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

**Hazardous Combustion Products:** Carbon oxides and Sulfur oxides; Oxides of nitrogen; ammonia

**NFPA Ratings:** Health – 1 / Flammability – 1 / Reactivity – 0

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Spill Cleanup:** For small quantities: sweep, scoop, or vacuum to remove. Wash spill area with detergent and water. For large quantities: Dig up heavily contaminated soil. Refer to section 7 for types of containers. Collect in containers for disposal. Flush residues with small quantities of water. Minimize use of water to prevent environmental contamination.

### 7. HANDLING AND STORAGE

**Handling:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**Storage:** Store under cool, dry conditions (below 120°F). Do not store under moist conditions.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use dust goggles

**Protective Clothing:** long-sleeved shirt and long pants and shoes plus socks.

**General:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	light brown granules
<b>Odor:</b>	bitter
<b>Melting/freezing point:</b>	not available
<b>Boiling point/Boiling range:</b>	not available
<b>Flammability:</b>	not available
<b>Flammability limits (upper/lower):</b>	not available
<b>Flash point:</b>	not available
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>pH:</b>	4-5 (1% disp.)
<b>Kinematic viscosity:</b>	not available
<b>Solubility:</b>	dispersible in water
<b>Partition coefficient:</b>	log P <sub>ow</sub> : <1 (sulfosulfuron)
<b>Vapor pressure:</b>	not available
<b>Relative Density:</b>	not available
<b>Relative vapor density:</b>	not available
<b>Particle characteristics:</b>	not available
<b>Bulk Density:</b>	37.4 lb/ft <sup>3</sup> (tap)

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Extremes of temperature and direct sunlight

**CHEMICAL STABILITY:** Stable under all normal use and storage conditions.

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known based on information supplied.

**HAZARDOUS DECOMPOSITION PRODUCTS:** thermal decomposition can lead to release of irritating and toxic gases and vapors.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Information presented below is from testing done on an identical or substantially similar product:**

**ORAL TOXICITY (rat LD<sub>50</sub>):** >5000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 5000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.6 mg/L (4-hr)

**EYE IRRITATION:** Slightly irritating (Rabbit)

**SKIN IRRITATION:** Non-irritating (Rabbit)

**SKIN SENSITIZATION:** Non-sensitizer (Guinea pigs)

**CARCINOGENICITY:** Urinary bladder tumors in rats and mice. Mode(s) of action not relevant to humans.

**EPA:** Not likely to be a carcinogenic to humans (sulfosulfuron)

**ACGIH:** Not Listed

**NTP:** Not Listed

**IARC:** Not Listed

**OSHA:** Not Listed

**MUTAGENIC TOXICITY:** No data available.

**TERATOGENICITY:** No data available.

## 12. ECOLOGICAL INFORMATION

This pesticide is highly toxic to non-target plants. No significant bioaccumulation is expected. This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water.

**The following information is for the active ingredient, sulfosulfuron:**

### AQUATIC TOXICITY

Fish (Rainbow Trout) (96-hour LC<sub>50</sub>): >97 mg/L

Daphnia magna (48-hour EC<sub>50</sub>): >144 mg/L

Green Algae (96-hour EC<sub>50</sub>): 0.0714 mg/L

Duckweed (7 days, EC<sub>50</sub>): 0.0012 mg/L

Duckweed (7 days, NOEC<sub>50</sub>): 0.0027 mg/L

### AVIAN TOXICITY

Bobwhite Quail (acute, oral LD<sub>50</sub>): >2,250 mg/kg

Bobwhite Quail (5 days, oral LD<sub>50</sub>): >5,620 mg/kg

Mallard Duck (acute, oral LD<sub>50</sub>): > 2,250 mg/kg

Mallard Duck (5 days, oral LD<sub>50</sub>): > 5,620 mg/kg

### OTHER NON-TARGET ORGANISM TOXICITY

Anthropod (Honeybee) (Contact, 48-hours LD<sub>50</sub>): >0.123 mg/L

Anthropod (Honeybee) (Oral, 48-hours LD<sub>50</sub>): >0.128 mg/L

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. See individual container label for pesticide disposal or handling.

## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	UN3077
<b>Proper Shipping Name:</b>	Environmentally hazardous substance, solid, N.O.S. (contains sulfosulfuron)
<b>Transport Hazard Class:</b>	9
<b>Packing Group:</b>	III
<b>Hazard Zone:</b>	A
<b>Marine Pollutant:</b>	Yes <sup>1</sup>
<b>Hazardous Substance RQ:</b>	None
<b>Labels / Placards:</b>	US-DOT: Class 9 Environmentally Hazardous Substance <sup>2</sup> IMDG, IATA: Class 9 Environmentally Hazardous Substance <sup>3</sup>
<b>Emergency Guide:</b>	171 (NAERG – North American Emergency Response Guide)
<b><sup>1</sup>Marine Pollutant Note:</b>	Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49CFR§172.101 Appendix B(4). For any shipments involving all or part of the transport by vessel, the shipment must be

## 14. TRANSPORT INFORMATION (cont.)

classified as a Marine Pollutant unless a limited quantity exemption applies (see note 3 below).

<sup>2</sup>**US-DOT Note:** Not regulated for "ground only" shipments.

<sup>3</sup>**IMDG / IATA Note:** Not regulated when shipped in single or inner packaging ≤ 11 lbs. (5kg).

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

### FIFRA –

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. The following is the hazard information as required on the pesticide label:

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

##### ENVIRONMENTAL HAZARDS

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. This pesticide is highly toxic to non-target plants.

##### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

### SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

### SARA Title III – Section 311/312 Hazard Categories

Immediate

### SARA Title III – Section 312 Threshold Planning Quantity

None

### SARA Title III – Section 313 Reportable Ingredients

None

### CERCLA Reportable Quantity (RQ) –

None

### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemicals known to the state of California to cause cancer or other reproductive harm.

### CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## 16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

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SDS Version: 1.0

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