

# MATERIAL SAFETY DATA SHEET – DIURON 4L

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**COMPANY ADDRESS:**

RedEagle International LLC  
1925 E. Edgewood Dr – Ste. 105  
Lakeland, Florida 33803

**EMERGENCY TELEPHONE NUMBERS:**

For emergency information, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Mon. to Fri., 7:30 am to 3:30 pm Pacific Time or your poison control center at 1-800-222-1222.

**PRODUCT NAME: Diuron 4L****CHEMICAL NAME:** 3-(3,4-dichlorophenyl)-1,1-dimethylurea**EPA REG NO: 85678-24****PRODUCT USE: HERBICIDE**

## SECTION 2 – COMPOSITION, INFORMATION OF INGREDIENTS

Active Ingredient	CAS No.	Weight
Diuron	330-54-1	40.0%

## SECTION 3 – HAZARDS IDENTIFICATION SUMMARY

**EMERGENCY OVERVIEW:** CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing.

**POTENTIAL HEALTH EFFECTS:**

**EYE:** May cause moderate eye irritation.

**SKIN:** Prolonged exposure may cause slight skin irritation.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Spray mists or vapors may cause severe irritation of the upper respiratory tract.

## SECTION 4 – 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 do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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

For emergency information, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Mon. to Fri., 7:30 am to 3:30 pm Pacific Time or your poison control center at 1-800-222-1222.

## SECTION 5 – FIRE FIGHTING MEASURES

**FLASHPOINT (METHOD):**

Not available

**FLAMMABLE LIMITS (LFL – UFL)**

Not applicable

**EXTINGUISHING MEDIA:**

Foam, Water spray, Carbon dioxide, or Dry chemical

**FIRE FIGHTING INSTRUCTIONS:**

Evacuate nonessential personnel from area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage from excessive water runoff.

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**FIRE FIGHTING EQUIPMENT:** Full fire fighting turn out gear (Bunker gear) including self-contained breathing equipment.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of nitrogen and unknown hazardous material may be formed in a fire situation. Oxides of carbon and/or other asphyxiants may be formed from incomplete combustion.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**Steps to be taken in case material is released or spilled:**

Control the spill at its source. Clean up spills immediately, observing precautions in Section 8 of this document. Use absorbent material to absorb spill. Sweep up material and place in suitable container for disposal. Check local, State and Federal regulations for proper disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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## SECTION 7 – HANDLING AND STORAGE

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KEEP OUT OF REACH OF CHILDREN.

**HANDLING:** Wash hands thoroughly with soap and water after handling and 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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**PESTICIDE STORAGE:** Do not contaminate water, food, or feed by storage or disposal. Store product in original container only, away from other pesticides, fertilizer, food or feed.

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## SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** See product label.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eye Protection:** Wear goggles or face shield

**Skin Protection:** Wear long sleeved shirt and long pants, shoes plus socks, chemical resistant gloves and chemical apron.

**Respirator:** NIOSH approved dust/mist filtering respirator with any N, R, P, or HE filter or with approval number prefix TC-21C

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

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	White	<b>Density:</b>	1.20 g/cm <sup>3</sup>
<b>Physical State:</b>	Liquid	<b>pH:</b>	7.1
<b>Odor:</b>	Odorless	<b>Viscosity:</b>	412 CST @ 25°C

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## SECTION 10 – STABILITY AND REACTIVITY

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<b>CHEMICAL STABILITY:</b>	Stable under recommended storage conditions
<b>CONDITIONS TO AVOID:</b>	Avoid exposure to extreme temperatures.
<b>INCOMPATIBILITY WITH OTHER MATERIALS:</b>	None known
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition may release toxic and/or hazardous gases under fire conditions.
<b>HAZARDOUS POLYMERIZATION:</b>	Not known to occur.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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### ACUTE TOXICITY (Technical):

**Oral LD<sub>50</sub> (rat): 1,919 mg/kg**  
**Dermal LD<sub>50</sub> (rabbit): >5,000 mg/kg**  
**Inhalation LC<sub>50</sub> (rat): >2.02 mg/L (4 hour)**  
**Eye Irritation (rabbit): Moderate**  
**Skin Irritation (rabbit): Mild**  
**Sensitization (guinea pig): Not established**

**Target Organs (Diuron):** Eyes, skin, respiratory system and blood

### Carcinogen Status:

**California Proposition 65:** WARNING. Diuron is known to the State of California to cause cancer.

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## SECTION 12 – ECOLOGICAL INFORMATION

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**ENVIRONMENTAL HAZARDS:** Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Apply this product only as specified on this label.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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**PESTICIDE DISPOSAL:** Open dumping is prohibited. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for recycling if available, or dispose of bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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## SECTION 14 – TRANSPORT INFORMATION

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**DOT Shipping Description:** <30 gallons not regulated by U.S. DOT

**DOT Shipping Description:** >30 gallons: RQ Environmentally Hazardous Substance, Liquid, N.O.S., (Diuron), 9, UN3082, III, ERG Guide 171

**U.S. Surface Freight Classification:** Compound, Tree or Weed killing, NOI (NMFC 50320, Sub 2: Class: 60)

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

## SECTION 15 – REGULATORY INFORMATION

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### SARA Title III Classification

**Section 311/312 Hazard Class:** Immediate, Delayed health effects

**Section 313 Toxic Chemicals:** Diuron (CAS 330-54-1) 40.0%

**CERCLA Reportable Quantity:** Diuron (CAS 330-54-1) 100 pounds

**RCRA Waste Code:** Not listed

**California Proposition 65:** WARNING. Diuron is known to the State of California to cause cancer.

## SECTION 16 – OTHER INFORMATION

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### HMIS HAZARD RATINGS:

<b>HEALTH:</b>	2	0	Minimal
<b>FLAMMABILITY:</b>	0	1	Slight
<b>PHYSICAL HAZARD:</b>	0	2	Moderate
		3	High
		4	Severe

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**REVISED DATE:** New