

## MATERIAL SAFETY DATA SHEET

Advan LLC.  
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In Case of Emergency, Call  
Advan LLC: 919-226-1195  
CHEMTREC: 800-424-9300

**I. PRODUCT IDENTIFICATION**

Product Name: Eject™ 4L  
Active Ingredient: Quinclorac (40.0%)  
Active Ingredient IUPAC name: 3, 7-dichloroquinoline-8-carboxylic acid

**II. HAZARDS IDENTIFICATION**

(As defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200).

**Health Hazards:** Moderately irritating to the eyes

**Physical Hazards:** Can decompose at high temperatures producing toxic gases.

**Environmental Hazards:** Use on a permeable soil types where the water table is shallow may result in groundwater contamination.

**III. TRANSPORTATION & REGULATORY INFORMATION**

This product is regulated for transportation purposes as follows:

DOT Shipping Description: Not regulated by DOT

SARA TITLE III INFORMATION

§311/312 Hazards Categories: Immediate and Chronic Health Hazard

§313 Inventory Ingredients: None

California Proposition 65: Not applicable

CERCLA reportable quantity: None

**IV. PHYSICAL & CHEMICAL PROPERTIES**

Physical Description: Off-white liquid  
Density: 1.12 g/ml  
Vapor Pressure: ND  
Solubility in H<sub>2</sub>O (technical): 65 ppm  
pH: 3.5

**FIRE AND EXPLOSION DATA**

Flash Point: N/A will not flash

Auto-ignition Temperature: N/A will not auto-ignite

Flammable Limits in Air, % by Volume: Lower: N/A

Upper: N/A

Extinguishing Media: Foam, dry chemical, carbon dioxide or water spray

Special Fire Fighting Procedures: Evacuate 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 due to run-off.

Fire Fighting Equipment: Wear self-contained breathing apparatus with full face shield and protective clothing

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**V. HEALTH HAZARD INFORMATION**

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**Toxicological Information:**

Oral LD <sub>50</sub> (rat):	> 3,5000 mg/kg
Dermal LD <sub>50</sub> (rat):	> 2,000 mg/kg
Inhalation LC <sub>50</sub> (4-hour; rat):	> 2.0 mg/m <sup>3</sup> of air
Primary Eye Irritation (rabbit):	Mildly irritating
Primary Dermal Irritation (rabbit):	Slightly irritating
Dermal Sensitization (guinea pig):	Not a skin sensitizer

**Emergency and First Aid Procedures**

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Have the product container or the label with you when seeking medical advice.

<u>Eyes:</u>	<u>IMMEDIATELY</u> flush eyes with plenty of water, holding eyelids apart to ensure flushing of the entire eye surface and lids. Do not apply any medication except on the advice of a physician.
<u>Skin:</u>	Wash with plenty of soap and water. Remove contaminated clothes and footwear. Wash clothing and decontaminate footwear before reuse. Do not apply any medication except on the advice of a physician.
<u>Inhalation:</u>	Remove person from contaminated area to fresh air or employ proper respiratory protection until adequate ventilation or other control measure is restored. Apply artificial respiration if necessary. Call a poison control center or a doctor for further treatment advice.
<u>Ingestion:</u>	Call a poison control center or doctor immediately for treatment advice. Have affected person sip a glass of water if able to do so. Do not induce vomiting unless directed to do so by a poison control center or a doctor. <u>Never</u> give anything by mouth to an unconscious person.

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**VI. REACTIVITY DATA**

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<u>Stability:</u>	Stable, may decompose if heated
<u>Incompatibility:</u>	No know incompatibility
<u>Hazardous Decomposition Products:</u>	Hydrogen chloride, oxides of nitrogen and carbon
<u>Hazardous Polymerization:</u>	Material not known to polymerize.

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**VII. SPILL OR LEAK PROCEDURES**

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Clean up spills immediately. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Small spill:** Absorb spill on sand, vermiculite or other inert absorbent. Place contaminated materials in an appropriate container for disposal.

**Large spill:** Dike large spills using absorbent or impervious material such as clay or sand. Allow absorbed material to solidify and scrape up for disposal. After removal scrub the contaminated area with detergent and water and neutralize with dilute alkali. Do not allow spill or clean up water to enter waterways. Wear glasses or goggles, long sleeved shirt and long pants, shoes and socks and chemically resistant gloves.

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## VIII. INDUSTRIAL HYGIENE CONTROL MEASURES

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### Ventilation Requirements:

Good industrial hygiene practice dictates that indoor work areas be isolated and provided with adequate local exhaust ventilation. Work upwind in out-of-doors batch operations.

### **Specific Personal Protective Equipment (PPE)**

Eye: Safety glasses, goggles, or face shields.

Gloves: Chemical-resistant gloves.

### Other Clothing and Equipment:

Protective clothing consisting of long sleeve shirt, long pants, socks and shoes should be worn when handling this product. Clothing should be changed at least daily and washed thoroughly before re-using. Keep and wash PPE separately from other clothing.