



Safety Data Sheet

SECTION 1. IDENTIFICATION

Product Name: Calleron Herbicide
EPA Registration No.: 93365-2-84237
Recommended Use: Herbicide
Manufacturer: Solera ATO, LLC
340 W. 32nd St. #383
Yuma, AZ 85367
Customer Service (928) 503-1518

FOR MEDICAL EMERGENCIES, CONTACT the National Poison Information Center 1-800-222-1222
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

HAZARD CLASSIFICATION

Specific Target Organ Toxicity: Repeated Category 2

SIGNAL WORD

CAUTION

HAZARD STATEMENTS

May cause damage to organs through prolonged or repeated exposure.

PICTOGRAMS



PRECAUTIONARY STATEMENTS

CAUTION. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. 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.

DESCRIPTION OF HAZARDS NOT OTHERWISE CLASSIFIED

Do not mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Wt</u>
Mesotrione	104206-82-8	40%
Ethylene Glycol	107-21-1	<5%
Other Ingredients (proprietary)	Trade Secret	>55%

SECTION 4. FIRST AID MEASURES

If on skin or clothing

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice

If in eyes

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for treatment advice

If swallowed

Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Call a Poison Control Center or doctor for treatment advice

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 is possible. Call a Poison Control Center or doctor for treatment advice.

SECTION 5. FIRE FIGHTING MEASURES

FIRE EXTINGUISHING EQUIPMENT:

Suitable extinguishing media:
foam, dry powder, carbon dioxide, water spray

FIRE AND EXPLOSION HAZARDS:

Hazards during fire-fighting:
Flammable hydrogen gas may be formed on contact with incompatible metals. See "Conditions to Avoid", Section 10.

If product is heated above decomposition temperature, irritating or possibly toxic vapors can be released.

PPE FOR FIREFIGHTERS/FIRE FIGHTING INSTRUCTIONS:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

EMERGENCY PROCEDURES

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions.
Extinguish sources of ignition nearby and downwind.

METHODS FOR CLEANING UP

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed.

CLEANUP PROCEDURES

Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations

SECTION 7. HANDLING AND STORAGE

HANDLING PROCEDURES

Spray solutions of this product should be mixed, stored and applied using only plastic, plastic-lined stainless steel or fiberglass/plastic containers. Concentrate should not be stored or maintained in long-term contact with galvanized steel, carbon steel, aluminum, brass or cast iron.

DO NOT MIX OR ALLOW TO COME INTO CONTACT WITH AN OXIDIZING AGENT. HAZARDOUS REACTION MAY OCCUR.

STORING PROCEDURES

Segregate from foods and animal feeds.
Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

WORK/HYGIENIC PROCEDURES

WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material (polyethylene or polyvinyl chloride)
- Shoes plus socks

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

Engineering Controls Statement

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid (suspension)
Odor:	Pleasant
Color:	Light Yellow
pH value:	2.93 (1% in water)
Flash point:	>100°C
Specific Gravity:	1.206 (10.04 lb/gal)
Thermal decomposition:	Can burn in fire and toxic vapors may be released.
Solubility in water:	Mesotrione 160 mg/l @ 68°F (20°C) (99.7% pure)

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

The product is stable if stored and handled as prescribed/indicated.

REACTIVITY

Not reactive but do not mix with oxidizing agents.

OTHER (Incompatibility, conditions to avoid, decomposition)

Spray solutions of this product should be mixed, stored and applied using only plastic, plastic-lined stainless steel or fiberglass/plastic containers. Concentrate should not be stored or maintained in long-term contact with galvanized steel, carbon steel, aluminum, brass or cast iron.

Incompatible materials

strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Primary routes of exposure

Routes of entry are dermal and inhalation, but may include eye contact.

Acute Toxicity/Effects (finished product)

Oral LD50 > 5,000 mg/kg (rat)
Inhalation LC50 > 5.19 mg/l air (4hrs) (rat)
Dermal LD50 > 5000 mg/kg (rat)
Skin Irritation: Slightly irritating (rabbit)
Sensitization: Not a sensitizer (guinea pig)
Eye Irritation: Mildly irritating (rabbit)

Chronic/Subchronic Toxicity/Effects

Mesotrione did not show adverse effects in chronic toxicity tests.

Reproductive/Development Toxicity/Effects

Mesotrione did not show reproductive effects in animal tests.
Ethylene Glycol produces dose-related teratogenic effects in mice and rats.

Carcinogenicity

Mesotrione did not show carcinogenic effects in animal tests.

Other

Ethylene Glycol can cause kidney damage when swallowed in large amounts. Exposure to high concentrations of mists or aerosols of ethylene glycol may result in effects on the hematopoietic system and central nervous system with headache, dizziness and drowsiness.

SECTION 12. ECOLOGICAL INFORMATION

The ecological data given are those of the active ingredient. Do not release untreated into natural waters.

Toxicity (Active ingredient - Mesotrione - not formulated product)

Toxicity to fish: LC50 (96 h) > 120mg/l, *Oncorhynchus mykiss* (Rainbow Trout) and Bluegill Sunfish
Aquatic invertebrates: EC50 (48 h) 900 mg/l, *Daphnia magna* (water flea)
Aquatic plants: EC50 (72 h) 4.5 mg/l (growth rate), Green Algae

Environmental Fate

The substance has low potential for bioaccumulation. Mesotrione has medium to high mobility in soil.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL/ DISPOSAL

Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities. Read and follow applicable label directions.

SECTION 14. TRANSPORT INFORMATION

USDOT: Not classified as a dangerous good under transport regulations

IMDG

Hazard class: 9

Packing group: III

ID number: UN 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Mesotrione), Marine Pollutant

SECTION 15. REGULATORY INFORMATION

TSCA: Exempt/Not Listed, Subject to FIFRA

EPCRA SARA Title III Classification:

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Ethylene Glycol <10 % (CAS No. 107-21-1)

CERCLA/SARA 304 Reportable Quantity (RQ)

Report product spills > 9,780 gal {based on ethylene glycol (RQ – 5,00 lbs). in formulation} (CERCLA)

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable

SECTION 16. OTHER INFORMATION

NFPA Hazard Ratings:

Health: 2

Flammability: 1

Instability: 0

HMIS Hazard Ratings:

Health: 1

Flammability: 1

Reactivity: 0

0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 5 = Extreme, * = Chronic

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.

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