



1. **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**  
**INNICTIS CROP CARE LLC**  
**1220 W ASH STREET, SUITE B**  
**WINDSOR, CO 80550**

**PRODUCT NAME:** LEVITY

**EPA REG. NO.:** 89168-33-89391

**CHEMICAL NAME:** Acifluorfen, sodium salt

**CHEMICAL FAMILY:** Herbicide

**Hotline Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night**  
**Within USA and Canada: 1-800-424-9300      Outside USA and Canada: +1 703-527-3887 (collect calls accepted)**

2. **HAZARDS IDENTIFICATION SUMMARY**

**DANGER. CORROSIVE.** Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

3. **COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Sodium Salt of Acifluorfen	20.1	62476-59-9	

4. **FIRST AID MEASURES**

**If in eyes:** Hold eye 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 eye. Call a poison control center or doctor for treatment advice.

**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.

**If Swallowed:** Immediately call a poison control center or doctor. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT** have the product container or label with you when calling a poison control center or doctor.

5. **FIRE FIGHTING MEASURES**

**FLASH POINT** (<sup>o</sup>F/Test Method): Not available

**FLAMMABLE LIMITS** (LFL & UFL): Not available

**EXTINGUISHING MEDIA:** Use dry chemical, carbon dioxide or water spray.

**HAZARDOUS COMBUSTION PRODUCTS:** Toxic fumes may be emitted in a fire situation.

**SPECIAL FIRE FIGHTING PROCEDURES:** Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Toxic materials (hydrogen chloride, hydrogen fluoride, nitrogen oxide) may be generated in a fire situation.

**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus with full facepiece. Full fire fighting turn-out gear (Bunker gear).

6. **ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** In case of leak or spill, contain material and dispose as waste. Do not contaminate any body of water. Pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for chemical waste. Check local, state and federal regulations for proper disposal. **NOTE:** Prevent spilled material from flowing onto adjacent land, or into municipal sewers and open bodies of water. Always wear proper protective equipment when working with the product. Always wash protective clothing before reuse.

7. **HANDLING AND STORAGE**

**HANDLING:** Wash hands after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing 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.

**STORAGE:** Do not store below temperature of 32°F or above 100°F. Store in original container in a well-ventilated area separately from fertilizer, feed, and foodstuffs. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** 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.

**RESPIRATORY PROTECTION:** Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. If TLV is exceeded wear a NIOSH approved respirator.

**EYE PROTECTION:** Wear chemical resistant goggles or shielded safety glasses when handling and mixing product.

**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, shoes plus socks and chemical-resistant gloves. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.

**Personal Protective Equipment (PPE):** Eye protection, long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Light yellow liquid, mild antiseptic odor **SOLUBILITY:** Soluble **pH:** 9.3  
**SPECIFIC GRAVITY** (Water=1): Not determined **BULK DENSITY:** 1.157 g/cm<sup>3</sup>  
**VAPOR PRESSURE:** Not determined **BOILING POINT:** Not determined  
**PERCENT VOLATILE** (by volume): Not determined **EVAPORATION RATE:** Not determined  
**FREEZING POINT:** 32°F (0°C) **VISCOSITY:** 10.84 CST

**Note:** These physical data are typical values based on material tested but may vary from sample to sample.

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Freezing temperatures.

**INCOMPATIBILITY:** Oxidizing agents

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and nitrogen – Hydrogen chloride – Hydrogen Fluoride

## 11. TOXICOLOGICAL INFORMATION – (Based on a similar product)

**Acute Oral LD<sub>50</sub>:** 1,370 mg/kg (Female Rat) and 2,025 mg/kg (Male) **Acute Dermal LD<sub>50</sub>:** >2,000 mg/kg (Rabbit)

**Eye Irritation:** Severely irritating

**Skin Irritation:** May cause moderate irritation

**Inhalation LC<sub>50</sub>:** Not available

**Skin sensitization:** Not a contact sensitizer

**Carcinogenic Potential:** Acifluorfen is classified by EPA as a Group C carcinogen (possible human carcinogen). At high enough doses to cause the biochemical and histopathological changes in livers of rodents, Acifluorfen is likely to be carcinogenic to humans, but unlikely to be carcinogenic at doses below those causing these changes.

**Subchronic (Target Organ) Effects:** Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY:

**ENVIRONMENTAL SUMMARY:** Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified on this label for application to rice. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area.

**GROUNDWATER ADVISORY:** Sodium acifluorfen is known to leach through soil to groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable (sandy/loamy soils) and water tables are shallow could result in contamination of groundwater. Use of irrigated water in such areas will increase the likelihood of groundwater contamination.

## 13. DISPOSAL CONSIDERATIONS

Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT REGULATION:** Not regulated

**ICAO:** Not regulated

**IATA:** Not regulated

**IMDG/IMO:** Not regulated

**15. REGULATORY INFORMATION**

**NFPA RATINGS:** Least = 0      Slight = 1      Moderate = 2      High = 3      Severe = 4  
**Ratings for this product:** Health – 2      Flammability – 1      Reactivity – 0      Special Hazards – None Specified

**SARA Title III Hazard Category:** Immediate   Y        Fire   N        Sudden Release of Pressure   N    
 Delayed   Y        Reactive   N  

**Section 313 Toxic Chemical(s):** Acifluorfen, sodium salt (CAS No. 62476-59-9)

**Reportable Quantity (RQ) under U.S. CERCLA:** None

**RCRA Waste Code:** None

**CA Proposition 65:** Acifluorfen sodium is listed as a chemical known to cause cancer.

**16. OTHER**

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