

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** Acifin 2L  
**DESCRIPTION:** A liquid herbicide.  
**EPA Reg. No.:** 82534-2-88783

**COMPANY IDENTIFICATION:**  
**Summit Agro USA, LLC**  
240 Leigh Farm Road, Suite 415  
Durham, NC 27707

## 2. HAZARD IDENTIFICATION



### DANGER

Causes serious eye damage  
Harmful if inhaled  
Causes mild skin irritation

May be harmful if swallowed  
or in contact with skin

Harmful to aquatic life

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Sodium salt of acifluorfen	[sodium 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoate]	62476-59-9	20%
Butyl Cellosolve	2-Butoxyethanol	111-76-2	6%

## 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical information.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor or poison control center.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a doctor or poison control center if you feel unwell.

**IF SWALLOWED:** Call a poison control center or doctor if you feel unwell. Rinse mouth out and 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.

**IF ON SKIN OR CLOTHING:** Wash with plenty of water. Call a poison control center or doctor if you feel unwell. Immediately take off all contaminated clothing and wash before reuse.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. No specific antidote is available, treat symptomatically.

## 5. FIREFIGHTING MEASURES

**Flash point (SCC):** 134°F (56.7°C)

**Flammable Limits (LFL-UFL):** Data not available.

**Fire and Explosion Hazards:** Dried product can burn and pesticide particulates may become airborne.

**Means of Extinction:** Use foam, dry chemical, carbon dioxide or water spray.

**Fire Fighting Instructions:** Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Use as little water as possible and use spray or fog and avoid heavy hose streams to prevent runoff. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical extinguishing systems are preferred to prevent environmental damage due to runoff.

**Firefighting Equipment:** Self-contained breathing apparatus with full face piece.

**Hazardous Combustion Products:** Hydrogen chloride, hydrogen fluoride, nitrogen oxides.

**NFPA Ratings:** Health – 3 / Flammability – 1 / Reactivity – 0

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove the contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

## 7. HANDLING AND STORAGE

Do not get on skin, in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Keep from freezing, store above 32°F. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, water, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Goggles or face shield, chemical-resistant gloves such as Viton or barrier laminate, long-sleeved shirt, long pants and shoes plus socks.

**General:** Wash thoroughly with soap and water after 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. 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber liquid

**Odor:** Unusual

**pH:** 7.5 – 8.5

**Density:** 10.0 lb/gal

**Solubility in Water:** Soluble

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Freezing temperatures and contact with ignition sources.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield hydrogen chloride, hydrogen fluoride and oxides of nitrogen.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE ORAL TOXICITY:** Oral LD<sub>50</sub> (rat): 2,020 mg/kg

**ACUTE DERMAL TOXICITY:** Dermal LD<sub>50</sub> (rat): 2,000 mg/kg

**ACUTE INHALATION TOXICITY:** Inhalation LC<sub>50</sub> (rat): 2.04 mg/L (4-hour)

**EYE IRRITANT:** Rabbit – Corrosive

**SKIN IRRITATION:** Rabbit – Moderately irritating

**SENSITIZATION:** Guinea Pig – Not a Contact Sensitizer

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known.

**CARCINOGENICITY:**

**ACGIH:** A3 – Butyl cellosolve

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

**MUTAGENIC DATA:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**ADDITIONAL DATA:** Not known to cause reproductive or birth defects at normal exposure levels.

## 12. ECOLOGICAL INFORMATION

Do not contaminate water when disposing of equipment washwaters.

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.

**The following is for the active ingredient, Sodium Acifluorfen:**

**AQUATIC TOXICITY**

Bluegill (LC<sub>50</sub>): 31 mg/L

Rainbow Trout (LC<sub>50</sub>): 54 mg/L

Daphnia magna (EC<sub>50</sub>): 28 mg/L

**OTHER TOXICITY**

Bobwhite Quail (LC<sub>50</sub>): > 10,000 mg/kg

Mallard Duck (LC<sub>50</sub>): > 10,000 mg/kg

## 13. DISPOSAL CONSIDERATIONS

**Do not contaminate water, food or feed by disposal.**

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container, do not reuse or refill this container. Refer to the product label for specific instructions.

## 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by DOT  
MARINE POLLUTANT: No

## 15. REGULATORY INFORMATION

### FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

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

Not Listed

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

Immediate, Delayed

### SARA Title III – Section 313 Reportable Ingredients

Acifluorfen, Sodium Salt (CAS No. 62476-59-9): 20.1%

### CERCLA –

Not Listed

### CALIFORNIA PROP 65 STATUS –

This product contains a chemical (Sodium Acifluorfen) known to the state of California to cause cancer.

## 16. OTHER INFORMATION

### REFER TO THE PRODUCT LABEL FOR TERMS AND CONDITIONS OF USE

#### Warranty Disclaimer

To the extent consistent with applicable law, all such risks shall be assumed by the buyer. Summit Agro USA LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. SUMMIT AGRO USA LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SUMMIT AGRO USA LLC AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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