

# HEL-FIRE®

## HERBICIDE ACTIVATOR

**ACTIVE INGREDIENTS:**

Aminated phosphoric and carboxylic acids, sulphurated amides,  
and spray deposition aids ..... 90.0%

**CONSTITUENTS INEFFECTIVE AS ADJUVANTS** ..... 10.0%

**TOTAL** ..... 100.0%

All ingredients are exempt from the requirements of a tolerance as specified in 40 CFR 180.

**KEEP OUT OF REACH OF CHILDREN  
DANGER – PELIGRO**

Si usted no entiende la etiqueta, busque a alguien que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

**See Inside Panel for Additional Precautionary Statements**

SN 0309/0411

Patent No. 6,831,038

**Manufactured For  
HELENA CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017**

**OPM #113942**

**PEEL BACK BOOK HERE AND RESEAL AFTER OPENING** ▶

**NET CONTENTS:**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER – PELIGRO

**BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.**

Formulated product causes eye irritation. Do not get in eyes, on skin, or on clothing. May be harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. In addition, follow precautionary statements on accompanying pesticide label(s).

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**STORAGE:** Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwater or spray waste.

#### CONTAINER DISPOSAL:

**NON-REFILLABLE CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading and add rinsate to spray tank. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your State and local ACRC recycler, visit the ACRC web page at [www.acrcycle.org](http://www.acrcycle.org). Decontaminated containers may also be disposed of in a sanitary landfill. For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

**REFILLABLE CONTAINER:** Refill this container with adjuvants only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. If the container is not being refilled, return the container to the point of purchase.

## GENERAL INFORMATION

**HEL-FIRE®** is a specialized formulation of deposition agents, activators, and water conditioners designed to enhance the degree and speed of herbicide performance.

**HEL-FIRE®** can positively affect both pesticide spray application and pesticide efficacy. **HEL-FIRE®** can eliminate the antagonistic effects of hard water on herbicide efficacy. **HEL-FIRE®** is designed primarily to be applied with herbicides which utilize glyphosate as the active ingredient. \*However, it is also suitable and effective for most pesticides and nutritional products which can be used with wetter/spreader-type adjuvants. Optimum application and consequent effects can be influenced by many factors. Therefore, it is recommended that careful observation of the spray deposit be made and the adjuvant rate be adjusted accordingly to ensure thorough coverage without undue runoff.

**If mixing Sulfonyl-ureas with HEL-FIRE® and burn-down herbicides, spray within 24 hours after mixing.**

## DIRECTIONS FOR USE

**FOR USE WITH HERBICIDES REGISTERED FOR: AGRICULTURAL, FORESTRY, INDUSTRIAL, MUNICIPAL, ORNAMENTAL, RIGHTS-OF-WAY, TURF, NON-CROPLAND AND OTHER USES.**

The addition of an adjuvant to some pesticides or pesticide tank mix combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops. Prior to the addition of **HEL-FIRE®** to spray tank mixes, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial.

**HEL-FIRE®** may be applied by ground, CDA, or aerial spray equipment. For most applications, use enough **HEL-FIRE®** to allow for uniform wetting and deposition of the spray onto leaf surfaces without undue runoff.

**Ground, Aerial, CDA:** Use 2–8 pints per 100 gallons of spray. For use with glyphosate- or sulfosate-type herbicides, use a minimum of 4 pints per 100 gallons.

**Water conditioning:** **HEL-FIRE®** should be used at 1–2 quarts per 100 gallons of spray solution when used in place of 8.5–17 pounds of ammonium sulfate.

**Buffering:** To obtain an initial buffering effect, use a minimum of 3 pints per 100 gallons of spray. Rates may be adjusted as water conditions vary. The use of a pH measuring device is recommended to determine a suitable **HEL-FIRE®** rate.

Do not add adjuvant at a level that would exceed 5% v/v of the finished spray volume.

**NOTE:** The above use recommendations are considered to be adequate for most uses. Some herbicides, however, may require higher or lower rates for optimum effect. Follow the pesticide label directions when this occurs.



### MIXING

Prior to any pesticide application all spray mixing and application equipment must be thoroughly cleaned. Carefully observe all cleaning directions on the pesticide label. Do not mix **HEL-FIRE**® with undiluted pesticides.

### CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

**Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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