

# Induce<sup>®</sup> pH

## Nonionic Surfactant and Buffering Agent

### \*PRINCIPAL FUNCTIONING AGENTS:

Alkyl Aryl Polyoxylkane Ethers, Alkyl Polyethoxyethanol Phosphates, hydroxycarboxylic acids, Free Fatty Acids and dimethylpolysiloxane .....	90.0%
Components ineffective as adjuvant or buffering agent .....	10.0%
TOTAL .....	100.0%

\*All ingredients are accepted for use under CFR 40, 180.

### KEEP OUT OF REACH OF CHILDREN

### WARNING

May be harmful if swallowed  
 May be harmful in contact with skin  
 Causes serious eye irritation  
 Causes skin irritation  
 May be harmful if inhaled



NET CONTENTS: □ 1 Gallon (3.785 Liters)	SN 040315
□ 2.5 Gallons (9.46 Liters)	
□ 55 Gallons (208.18 Liters)	
□ 250 Gallons (946.25 Liters)	

MANUFACTURED FOR  
 HELENA CHEMICAL COMPANY  
 225 SCHILLING BOULEVARD, SUITE 300  
 COLLIERVILLE, TN 38017  
 901-761-0050

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### WARNING

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

May be harmful if swallowed. May be harmful in contact with skin. Causes serious eye irritation. Causes skin irritation. May be harmful if inhaled. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Not for human or animal consumption.

**Personal Protective Equipment (PPE):** Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

FIRST AID	
IF IN EYES:	<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>
IF INHALED:	<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 treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<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 further treatment advice.</li> </ul>
IF SWALLOWED:	<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> </ul>

**Disclaimer:** Always refer to the label on the product before using Helena or any other product.

- 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 or convulsing person.

### 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

Store in original container only. Keep container tightly closed, do not allow water to be introduced into the contents of this container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwaters or spray waste. Combustible, do not store near heat or open flame.

### 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

INDUCE<sup>®</sup> pH is a multifunctional spray adjuvant that is applicable for use with most pesticide products. INDUCE<sup>®</sup> pH is designed to quickly wet and spread a more uniform spray deposit over leaf and stem surfaces while improving deposition and adhesion. INDUCE<sup>®</sup> pH also contains buffering and water conditioning agents designed to modify the pH of spray application mixtures. INDUCE<sup>®</sup> pH is recommended for use with most pesticides which are to be used with wetter/spreader type nonionic spray adjuvant.

### DIRECTIONS FOR USE

The addition of an adjuvant to some pesticide tank mix combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops. Prior to the addition of INDUCE<sup>®</sup> pH to spray tank mixes, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial.

**NOTE:** Spray mixes of copper-containing products, such as the fungicides containing cupric hydroxide, tribasic copper or copper oxychloride, should not be buffered below a pH of 5.0.

INDUCE<sup>®</sup> pH may be applied by ground, CDA, Aerial or Aquatic spray equipment. For most applications, use enough INDUCE<sup>®</sup> pH to allow for uniform wetting and deposition of the spray onto leaf surfaces without undue runoff.

#### For use as a Nonionic Spray Adjuvant:

**Ground, Aerial, CDA:** Use 1-4 pints per 100 gallons of spray.

**Aquatic:** Use 2-4 pints per 100 gallons of spray.

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

#### For use as Buffering and Water Conditioning Agent:

For most applications, a rate of 1-2 pints/100 gallons of water is sufficient. To help in determining the optimum rate of INDUCE<sup>®</sup> pH for buffering and water conditioning purposes, a pH color indicator is included in the formulation. To adjust the pH of spray application water for a range that is considered best for most pesticides, (pH 4-5), simply add INDUCE<sup>®</sup> pH until a light red to pinkish color is noted.

### 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 must 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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SPECIMEN LABEL