



SPECIMEN

PRINCIPLE FUNCTIONING AGENTS:

BY WT.

Polyether-Polymethylsiloxane-Copolymer 100%

CA Reg. No. 65343-50003

All ingredients are exempt from the requirements of a tolerance as specified in 40 CFR 180.1001(c).

BREAK-THRU® is a registered trademark of Goldschmidt Chemical Corporation.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

**Read entire label for additional precautionary statements.
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY**

IN CASE OF CONTACT

IN EYES—Immediately wash eyes with large amounts of water for at least 15 minutes, lifting the lower and upper lids. Seek medical attention IMMEDIATELY.

ON SKIN—Remove contaminated clothing and immediately wash contaminated area with large amounts of water for at least 15 minutes. If contact is made with the spray solution containing pesticides, follow the "Statement of Practical Treatment" on pesticide label. Seek medical attention.

IF SWALLOWED—If person is conscious, immediately give large quantities of water and induce vomiting. UNLESS OTHERWISE DIRECTED BY LABEL ON PESTICIDE(S). Do not induce vomiting or give any fluids by mouth to an unconscious person. Seek medical attention immediately.

IF INHALED—Move person to fresh air and check to ensure adequate respiration. Seek medical attention, immediately.

GENERAL INFORMATION

BREAK-THRU® is a new generation surfactant based on organo-modified siloxane technology for use in water-based pesticide formulations. **BREAK-THRU®** is a highly effective nonionic wetter/spreader/surfactant. Careful observation of spray application is recommended to determine proper and efficient pesticide application. This will optimize the pesticide and surfactant load levels. Read CAUTION statements carefully before use.

While **BREAK-THRU®** has been proven to be a highly efficient surfactant; timing, weather conditions, methods of application, crop conditions, and/or mixture with other chemicals not specifically recommended are beyond the control of the seller. Therefore, the user should carefully observe spray deposits, rate efficiencies, compatibilities and effectiveness in initial application and adjust the adjuvant rates accordingly.

DIRECTIONS FOR USE

Pesticide manufacturers may recommend a rate of nonionic surfactant to be used with their product. Follow the pesticide or active ingredient label recommendations on use of surfactant. However, if the pesticide or active ingredient label does not have a specific recommendation for surfactant use, but does not prohibit the use of a nonionic surfactant, **BREAK-THRU®** should be applied at the rates listed below. Careful observation of spray performance in a trial application with the combination of chemicals to be applied is recommended to determine proper and efficient surfactant rates.

AS AN ADJUVANT WITH DORMANT SPRAYS FOR WALNUT BLIGHT: Apply **BREAK-THRU®** in a concentration of 0.5% or approximately 65 ounces per 100 gallons of spray solution to help penetrate plant tissue when applied with a dormant spray for walnut blight (*xanthomonas campestris juglandis*). Refer to the pesticide label for directions for use and precautionary statements.

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AS A SPRAY ADJUVANT FOR PESTICIDES: (Herbicides, Micronutrients, Defoliants, Insecticides/Miticides, Fungicides)

HERBICIDES, MICRONUTRIENTS, DEFOLIANTS: Fluid ounces of Break-Thru per 100 gallons.

<u>Vol/Acre</u>	<u>30-50 Gal.</u>	<u>10-30 Gal.</u>	<u>10 Gal. or less</u>
	6-8	8-13	13

INSECTICIDES/MITICIDES and FUNGICIDES: Fluid ounces of Break-Thru per 100 gallons.

<u>Vol/Acre</u>	<u>30-50 Gal.</u>	<u>10-30 Gal.</u>	<u>10 Gal. or less</u>
	4-6	6-8	8

FOR USE WITH AERIAL APPLICATIONS: Apply **BREAK-THRU®** at a rate of 12-16 ounces per 100 gallons of spray.

AS A SOIL WETTING AGENT:

GOLF COURSE TEES AND GREENS: Apply at a concentration of 0.1% v/v or use the Spray Rate Chart below. Repeat as needed to overcome hydrophobic soil condition. Irrigation is not needed, but will help incorporate the treatment into the soil.

SPRAY RATE CHART

<u>Spray Rate / 1000 sq.ft.</u>	<u>Amount of BREAK-THRU® in mix</u>
1.0 gallon	1/8 ounce
1.5 gallons	1/5 ounce
2.0 gallons	1/4 ounce

FOR LARGE TURF AREAS SUCH AS GOLF FAIRWAYS:

BOOM SPRAYERS: Apply at a rate of 0.05-0.1% or approximately 6-13 ounces per 100 gallons of tank mix/water.

INJECTION THROUGH IRRIGATION: Adjust proportioning valve to inject at the ratio 1:1000, based on weekly application. To accommodate 100:1 proportioners, mix a 10% solution of **BREAK-THRU®** and water and inject at 100:1.

AS A MULCH, PEAT OR POTTING SOIL WETTING AGENT: Apply at a concentration of 0.05-0.1% v/v of water (6-13 ounces per 100 gallons). Repeat as needed.

AS A DEW CONTROL AGENT: **BREAK-THRU®** will prevent dew formation on turf areas such as tees and greens. Apply **BREAK-THRU®** with a boom sprayer and hand sprayer. Use a concentration of 0.1% **BREAK-THRU®** in water or approximately 13 ounces per 100 gallons every 7-10 days.

FOR USE WITH LIQUID FERTILIZATION: Add **BREAK-THRU®** to liquid fertilizer/water solutions at the rate of 6-13 ounces per 100 gallons of mix.

NOT A PLANT FOOD INGREDIENT.

MIXING INSTRUCTIONS

1. Fill tank to 2/3 to 3/4 full of water. If foaming is anticipated, add an anti-foaming agent before pesticide and **BREAK-THRU®**.
2. Add pesticide as directed by pesticide label.
3. Continue agitation.
4. Add **BREAK-THRU®** and continue filling tank while maintaining agitation.

GENERAL INFORMATION: May be fatal if absorbed through the skin. Do not get on skin or clothing. Causes eye irritation. Do not get in eyes.

Harmful if swallowed. Avoid breathing vapor or mist. Avoid using product in a manner as to directly, or through drift expose workers or other persons.

Always follow the precautionary statements on the label of the pesticide(s) or micronutrients that are to be used with **BREAK-THRU®**. Always consult the material safety data sheet for specific instructions.

Applicators and other handlers must wear goggles or a facial splash shield; chemical resistant gloves, such as nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils; coveralls or long sleeved shirt and long pants; shoes plus socks and mist filtering respirator. Keep out of reach of children.

Applicators and other handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove protective clothing and equipment after handling. Wash the outside of gloves before removing. Wash thoroughly and change into clean clothing.

STORAGE AND DISPOSAL

Keep container tightly closed. Store in original container only. Keep in a secure and locked storage area. Do not add water to the contents of this container. Triple rinse container, empty rinse water into spray tank. Dispose of empty containers in accordance with federal, state, and local law.

IN CASE OF EMERGENCY OR SPILL CONTACT CHEMTREC AT 1-800-424-9300.

DISCLAIMER OF WARRANTIES: Seller warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation are beyond the control of seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.



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