

# Synfactant™

## Synfactant™ Dry Nonionic Surfactant

### Principal Functioning Agents

Block polymer of carbonyldiamide polyoxylyated glycol adduct.....	94.0%
Constituents ineffective as spray adjuvants.....	6.0%
<b>Total.....</b>	<b>100.0%</b>

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



### KEEP OUT OF REACH OF CHILDREN WARNING

#### Hazard Statements

- May be harmful in contact with skin.
- Causes mild skin irritation.
- Causes eye irritation.

#### Precautionary Statements

- If medical advice is needed, have product bag or label at hand.
- Read label before use.
- Wash hands, face and other affected areas thoroughly after handling.
- Avoid contact with skin, eyes and clothing.
- Avoid breathing vapors.
- Wear protective gloves/clothing and eye/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do; continue rinsing.
- If eye irritation persists, get medical attention.
- IF ON SKIN: Wash skin with plenty of soap and water.
- If skin irritation occurs, get medical attention.

#### Environmental Hazards

Do not contaminate water sources by cleaning of equipment or disposal of wastewaters.

#### First Aid

**If In Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 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 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 further treatment advice.

**If On Skin:** Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**If Swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

#### General Information

Synfactant is a dry, water soluble nonionic surfactant based on urea-surfactant adduct technology. Synfactant can be used as a substitute for traditional liquid nonionic surfactants when added as a dry mixture to fertilizers and nutrients or directly applied to liquid tank mixes.

Synfactant is formulated using a proprietary block co-polymer surfactant that forms an inclusion compound with urea.

Synfactant will impart wetting and spreading properties the same as traditional liquid nonionic surfactants at reduced use rates

Synfactant contains an antifoam ingredient and is micronized for faster dissolution in water.

There are no volatile organic compounds in Synfactant.

#### Directions For Use

For use with dry fertilizers and nutrients:

Blend Synfactant at 0.5% to 2% by weight to achieve desired wetting performance of dry material. The urea content of Synfactant will provide additional nutrient value to crops, turf and horticulture plants.

For use as a substitute for traditional liquid nonionic surfactant tank mixes:

Always read and follow all label directions, mixing instructions and precautionary statements of the accompanying tank mix partner.

If accompanying tank mix partner label does not suggest use rates, add Synfactant at 12 to 24 dry ounces per 100 gallons of tank mix.

When replacing traditional liquid nonionic surfactant as a tank mix adjuvant, 12 dry ounces of Synfactant will replace 16 fluid ounces of the traditional liquid nonionic surfactant.

#### Mixing

Thoroughly clean all spray mixing and application equipment prior to, and following, each use. Unless directed otherwise by mixing instructions on the label of product to be tank mixed with Synfactant, follow these mixing procedures: 1) Fill solution tank one-half full of water and begin agitation. 2) Add Synfactant to the solution. Do not pre-mix Synfactant as a slurry before adding to spray solution. 3) Add remaining tank-mix products in the following order: dry flowables and water dissolvable granules, wettable powders, flowables, solutions and demulsifiable concentrates. 4) Continue filling while agitating until all added products are thoroughly mixed into spray solution.

Do not mix Synfactant directly with undiluted herbicides or tank mix partners.

#### Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**Storage:** Store above 35°F and below 120°F. Store product in original bag only. Keep away from heat, sparks, and open flame. Do not store with oxidizing agents.

**Disposal:** Completely empty contents of bag into spray application tank. Empty bags should be disposed of in a sanitary landfill or by authorized incineration. Dispose of contents/bag in accordance with local/national regulations.

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.*



## KALO

Synfactant is a trademark of KALO, Inc.

#### 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 of this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to 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 KALO, Inc., the manufacturer or seller. In addition, failure to follow label directions may cause injury to crops, animals, workers 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 KALO, Inc.'s election, one of the following:

1. Refund of the purchase price paid by buyer or user for product purchased, 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, the manufacturer and 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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