



Nonionic and Organosilicone Surfactant Blend

QUARK®

PRINCIPAL FUNCTIONING AGENTS	BY WT.
Alkylphenol ethoxylate, polyether modified polysiloxane, propylene glycol	99%
Constituents ineffective as spray adjuvants	1%
TOTAL	100.00%

All ingredients are exempt from the requirement of a tolerance under 40 CFR, 180.

CA Reg. No. 7001-50007 / WA Reg. No. 7001-09004



KEEP OUT OF REACH OF CHILDREN

WARNING

CAUSES EYE IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION.

PRECAUTIONARY STATEMENTS:

Avoid breathing mist / vapors / spray. Contaminated work clothing must not be allowed out of the work place. Wash contaminated clothing before reuse. Wash thoroughly after handling. Specific treatment see First Aid section on this label. Dispose of contents / container in accordance with federal, state and local regulations. See the Storage and Disposal section on this label.

PERSONAL PROTECTIVE EQUIPMENT: Wear protective gloves / protective clothing / eye protection / face protection.

FIRST AID:
IF ON SKIN Wash with plenty of water. If skin irritation or rash occurs get medical advice / attention. Wash contaminated clothing before reuse.
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 advice / attention.

Have the printed label with you when calling a poison control center or doctor or going for treatment. You may also call CHEMTREC at 1-(800) 424-9300 in case of emergency.

ENVIRONMENTAL HAZARDS:

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

STORAGE AND DISPOSAL:

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

PRODUCT STORAGE: Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water.

PRODUCT DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. 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.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.



Manufactured for:
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QUARK®

**FOR AGRICULTURAL OR PROFESSIONAL USE ONLY.
NOT FOR AQUATIC USE.**

GENERAL INFORMATION

QUARK is a superior nonionic wetting agent designed for water based herbicide application in agriculture, horticulture, industrial, turf and forestry operations. It is designed for fast spreading, uniform distribution and absorption of spray on leaf and stem surfaces. QUARK may be used with most pesticides and fertilizer products. Optimum application and consequent effects can be influenced by many factors. It is recommended that the spray be observed and adjuvant rates be adjusted accordingly. During application, insure thorough coverage without excessive runoff.

DIRECTIONS FOR USE

QUARK is a nonionic organosilicone wetting agent designed for use in certain agricultural and horticultural uses where a nonionic surfactant is recommended.

Suggested Rates for the use with various categories of chemicals are as follows:

<u>Chemical Group</u>	<u>Ounces of QUARK to add per 100 gal. of spray mixture</u>
Insecticides, Miticides & Fungicides	6 - 32 oz.
Herbicides	12 - 64 oz.
Glyphosate formulations without added surfactants	12 - 64 oz.
Defoliants & Desiccants	12 - 64 oz.
Fertilizers & Micronutrients	4 - 32 oz.

NOTE: Carefully read and follow the specific directions contained on the label of the chemical used. Before adding QUARK to spray tank mixes or before using with a pesticide or fertilizer where a nonionic adjuvant is not specifically recommended but not prohibited by the manufacturer, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial of their own. For local recommendations, consult a competent agricultural authority.

Aerial Application: When applying aerially, follow pesticide label directions including minimum water volume per acre. Do not substitute QUARK for water required by the pesticide label.

Irrigation Injection: Applications of QUARK through irrigation injection systems are possible provided the recommended use rates and dilutions are maintained and local, state, and federal guidelines are followed.

QUARK is also recommended for use with non-selective herbicides and other pesticides including those used to desiccate or defoliate.

Water Penetration of Hard-to-Wet Soils: For most efficient water penetration of hard-to-wet soils and the even distribution of applied moisture, use 1 pint per 100 gallons of water as a spot or area treatment.

MIXING

Spray mixing and application equipment must be cleaned according to cleaning directions on prior pesticide label before application.

To minimize and help prevent foaming, fill tank 2/3 to 3/4 full of water. Add pesticides and/or fertilizers as directed by label or in the following sequence:

- 1) Micronutrients and fertilizer;
- 2) Dry flowables and dispersible granules;
- 3) Flowables;
- 4) Water soluble pesticides;
- 5) Emulsifiable concentrates.

While agitating, add QUARK and mix for 1 to 2 minutes with lower than normal agitation. Continue filling tank maintaining minimal agitation. For most effective results, apply within 36 hours after mixing.

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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GHS_R3-2-2015



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