

MATERIAL SAFETY DATA SHEET

Quali-Pro® Foursome

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1. IDENTIFICATION

Product name: **Quali-Pro® Foursome**
Product Description: Formulation pigment additive
Manufacturer/Registrant: Makhteshim Agan of North America, Inc.
3120 Highwoods Boulevard, Suite 100
Raleigh, NC 27604
Phone: 1-919-256-9300
For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

The composition of this material is a trade secret. Contains no other components or impurities which will influence the classification with regard to human and environmental risk assessment.

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES:

Appearance: Dark green liquid
Odor: Slight odor

EMERGENCY OVERVIEW: May cause respiratory tract, eye, and skin irritation.

HAZARDOUS DECOMPOSITION PRODUCTS: When involved in a fire, burning may evolve noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, acetic acid, or other toxic compounds depending on the chemical composition and combustion conditions. However, all of the water must be driven off first for this to occur.

PRIMARY ROUTES OF EXPOSURE: Inhalation, eye and skin contact.

POTENTIAL HEALTH EFFECTS

- Eye:** Short term harmful effects are not expected. However, irritation may develop causing itching and redness.
- Skin:** Short term harmful effects are not expected. However, mild skin irritation may develop causing itching and redness. Temporary discoloration of skin may occur.
- Inhalation:** Short term harmful effects are not expected. However, exposure to vapors or mist may cause coughing or wheezing when inhaled.
- Ingestion:** Not an intended route of exposure. Short term harmful effects are not expected. However, may upset the gastrointestinal tract.

EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May provoke asthmatic response in persons with asthma who are sensitive to airway irritants.

4. FIRST AID MEASURES

FIRST AID	
IF IN EYES:	Immediately flush eyes with water for at least 15 minutes. Prolonged or repeated contact may result in mechanical irritation.
IN ON SKIN OR CLOTHING:	Wash with soap and water.
IF INHALED:	Move to fresh air. Seek medical attention if irritation develops.
IF SWALLOWED:	Dilute with water and induce vomiting. Seek medical attention.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of medical emergency involving this product, call Prosar at 1-877-250-9291.	

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable
FLAMMABLE LIMITS: LFL/UFL: Not applicable

EXTINGUISHING MEDIA: Foam, alcohol foam, CO₂, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not a fire or explosion hazard when stored under normal conditions.

FIRE-FIGHTING PROCEDURES: This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard. No special procedures required besides standard fire fighting procedures.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Clean-Up Procedures: Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled and closed container. Dispose of collected material according to federal, state/provincial and local environmental regulations. Spills and Leaks: Contain the spill or leak to prevent discharges to surface streams or storm sewers. This material is a concentrated dye/pigment. Small quantities in contaminated water solutions will color large volumes.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid breathing fumes. General mechanical ventilation can be expected to effectively remove and prevent build up of any vapor or mist generated from handling this product in a closed environmental. Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin.

PRECAUTIONS TO BE TAKEN IN STORAGE: Keep container in a dry place inaccessible to children and pests at temperatures above freezing. Keep containers sealed until ready for use. Store in closed storage areas

STORAGE TEMPERATURE (MIN/MAX): Above freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS OF END USE PRODUCTS CONTAINING THIS MATERIAL, CONSULT THE MSDS OR PRODUCT LABEL FOR THE END USE PRODUCT.

EYE PROTECTION: Wear safety glasses with side shields. Wear additional eye protection such as chemical goggles or face shield if splashing or spraying hazard exists. Have an eye wash station available.

SKIN PROTECTION: To prevent skin contact wear coveralls, apron, boots, or lab coat.

HAND PROTECTION: Avoid skin contact by using chemically resistant gloves.

RESPIRATOR REQUIREMENTS: No respiratory protection required under normal conditions of use. Use local exhaust to control excessive vapor/mists. If excessive vapors or mists persist use appropriate NIOSH/MSHA approved organic vapor/mist respirator.

OTHER: Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

ADDITIONAL PROTECTIVE MEASURES: Discarded clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: General mechanical ventilation can be expected to effectively remove and prevent build up of any vapor or mist generated from handling this product in a closed environmental.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dark green liquid
ODOR: Slight odor
FLASH POINT: Not applicable
pH: 7-8
MELTING POINT: Not applicable
SOLUBILITY IN H₂O: Dispersible
DENSITY: ~1.3 g/mL
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower than ether

10. STABILITY AND REACTIVITY

STABILITY: This material is chemically stable under normal handling and storage conditions.
MATERIALS TO AVOID: Strong caustic and acid solutions, and oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
INSTABILITY CONDITIONS: Mineral acids (i.e., sulfuric, phosphoric, etc.); alkalis (i.e., sodium or potassium hydroxide, etc.); Avoid strong oxidizing agents, high heat sources, sparks, open flames.
HAZARDOUS DECOMPOSITION PRODUCTS: When involved in a fire, burning may evolve noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, acetic acid, or other toxic compounds depending on the chemical composition and combustion conditions. However, all of the water must be driven off first for this to occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES:

Acute Oral LD50 (Rat): Not available
Acute Dermal LD50 (Rat): Not available
Acute Inhalation LC50 (Rat): Not available
Eye Irritation (Rabbit): Irritating
Dermal Irritation (Rabbit): Irritating
Dermal Sensitization (Guinea Pig): Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause respiratory tract and lung sensitization.

CARCINOGENIC EFFECTS: This material is not known to cause cancer in animals or humans.

12. ECOLOGICAL INFORMATION

The material is not expected to have any deleterious toxic effect.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

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

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated.

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Not regulated

IATA (air): Not regulated

15. REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.
Section 311/312: Acute health hazard (immediate)
Delayed health hazard (chronic)
Section 313: Not applicable

CA PROPOSITION 65: Not applicable.

CERCLA RQ: Not applicable

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt

16. OTHER INFORMATION

NFPA HAZARD RATINGS	NFPA	
HEALTH:	1	0 MINIMAL
FLAMMABILITY:	1	1 SLIGHT
REACTIVITY:	0	2 MODERATE
		3 HIGH
		4 SEVERE

MSDS DATE: 7-12-12. Supersedes version dated 3-9-10. Changes made to Sections 1, 2 and 3.

The information herein is given in good faith, but no warrant, express or implied, is made. Consult Makhteshim Agan of North America, Inc. further information.