

MATERIAL SAFETY DATA SHEET

**Quali-Pro® Mefenoxam 2 AQ**

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**1. IDENTIFICATION**

Product name:	<b>Quali-Pro® Mefenoxam 2 AQ</b>
Chemical name of active ingredient(s):	Mefenoxam: R-2-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester
Manufacturer/Registrant:	Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Road, Suite 300 Raleigh, NC 27609 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**

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Mefenoxam	70630-17-0	22.5	NE	NE	NA	NA

NE=not established

NA=not available

**3. HAZARDS IDENTIFICATIONS**

**PHYSICAL PROPERTIES:**

Appearance: Amber liquid

Odor: Mild

**EMERGENCY OVERVIEW: WARNING.** Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin. Do not get in eyes. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**ROUTES OF ENTRY:** Skin and eye contact.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use, pour, spill or store near heat or open flame.

**MEDICAL CONDITIONS LIKELY TO BE AGGRAVATED BY EXPOSURE:** None known.

**4. FIRST AID MEASURES**

FIRST AID	
<b>IF IN EYES:</b>	<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>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of soap and water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice if irritation persists.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person drink a glass of water or two if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

<b>IF INHALED:</b>	<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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prozar 1-877-250-9291.	
<b>Note to physician:</b> If ingested, induce emesis or lavage stomach. Treat symptomatically.	

## 5. FIRE FIGHTING MEASURES

**FLASH POINT:** 181° F

**FLAMMABLE LIMITS:** Not applicable.

**EXTINGUISHING MEDIA:** Alcohol foam, CO<sub>2</sub>, dry chemical.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Can decompose at high temperatures causing toxic gases.

**FIRE-FIGHTING PROCEDURES:** Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Wear self-contained breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO TAKE FOR SPILLS/LEAKS:** Use proper personal protective equipment. For a small spill, cover with absorbent material like pet litter. Sweep up and place in a container and assure proper disposal. Wash spill area with water containing a strong detergent, absorb with absorbent material and place in container for disposal. Flush area with water to remove residue. Do not allow wash water to contaminate water supplies.

## 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Handle and open container in a manner as to prevent spillage. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment. Do not reuse empty container. Open dumping is prohibited. Do not use or store near heat or open flame

**PRECAUTIONS TO BE TAKEN IN STORAGE:** Do not use, pour, spill or store near heat or open flame.

**STORAGE TEMPERATURE (MIN/MAX):** Normal ambient temperatures.

## 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 CONSULT THE PRODUCT LABEL.**

**EYE PROTECTION:** Safety goggles with side shields or goggles

**SKIN PROTECTION:** Long sleeved shirt, long pants, shoes plus socks and apron to prevent exposure.

**HAND PROTECTION:** Chemical-resistant gloves.

**RESPIRATOR REQUIREMENTS:** When needed, based on the conditions of use, wear a NIOSH-approved respirator with purifying cartridge.

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

**USER SAFETY RECOMMENDATIONS:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**EXPOSURE GUIDELINES:** Refer to Section 2.

**ENGINEERING CONTROLS:** Refer to product label.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Amber liquid

**ODOR:** Mild

**FLASH POINT:** 181°F

**pH:** 3.97 (1% solution)

**DENSITY:** 1.076 g/cc (8.98 lb/gal) @ 22° C; 1.065 g/cc (8.89 lb/gal) @ 39°C

**VISCOSITY:** 27.4 centipoise @ 22°C; 13.8 centipoise @ 39°C

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal use and storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**MATERIALS TO AVOID:** Not known

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INSTABILITY CONDITIONS:** None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY/IRRITATION STUDIES:**

Acute Oral LD50 (Rat):	> 2,000 mg/kg
Acute Dermal LD50 (Rabbit):	> 2,000 mg/kg
Acute Inhalation LC50 (Rat):	> 2.03 mg/L (4-hr.)
Eye Irritation:	Moderately irritating
Skin Irritation:	Slightly irritating
Dermal Sensitization:	Not a sensitizer

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL HAZARDS:** Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

**13. DISPOSAL CONSIDERATIONS**

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

**PRODUCT DISPOSAL:** Do not contaminate water, food, or feed by disposal. Open dumping is prohibited. Wastes resulting from the use of this product are acutely toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

**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)

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**

<b>NFPA HAZARD RATINGS</b>	<b>NFPA</b>	<b>HMIS</b>		
<b>HEALTH:</b>	1	1	0	MINIMAL
<b>FLAMMABILITY:</b>	1	1	1	SLIGHT
<b>REACTIVITY:</b>	0	0	2	MODERATE
			3	HIGH
			4	SEVERE

**MSDS DATE:** 9-24-10.

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