

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MX-501
Product Name: Mold Armor MX-501
Manufacturer Information
Company Name: W. M. Barr
 2105 Channel Avenue
 Memphis, TN 38113
Phone Number: (901)775-0100
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Web site address: www.wmbarr.com
Preparer Name: W.M. Barr EHS Dept (901)775-0100
Intended Use: Preventing Mold
Synonyms
 QOM30102, GOM30101, COM30104
Revision Date: 04/23/2015

Additional Information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
1. Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	0.781 %	No data.	No data.
2. Quaternary ammonium compounds, C12-14-alkyl.(.ethylphenyl)m	68956-79-5	0.781 %	No data.	No data.

3. HAZARDS IDENTIFICATION

Emergency Overview

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. KEEP OUT OF REACH OF CHILDREN.

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

Potential Health Effects (Acute and Chronic)

Skin:

Causes irritation and/or corrosive burns. Brief exposures may cause irritation and defatting of the skin.

Eyes:

Causes irritation and/or burns and may result in permanent injury to eyes including blindness.

Inhalation:

Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, drowsiness and death.

Ingestion:

Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea, and death.

Chronic: None known

Signs and Symptoms Of Exposure

See Potential Health Effects.

Medical Conditions Generally Aggravated By Exposure

None known.

4. FIRST AID MEASURES

Emergency and First Aid Procedures

In Case of Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

In Case of Skin Contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

In Case of Eye Contact

Hold eye open and rinse slowly and gently with water for 15-20 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.

In Case of Ingestion

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

Flash Pt: > 200.00 F Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data available.

Fire Fighting Instructions

Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media

Dry chemical, foam, carbon dioxide or water fog. Solid water streams may spread burning liquid.

Unsuitable Extinguishing Media

No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled

Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate.

Spill Cleanup:

Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

Large Spills:

Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling

Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

Precautions To Be Taken in Storing

Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

Other Precautions

Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Equipment (Specify Type)

If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSHA approved respiratory with an organic-vapor removing cartridge with a prefilter approved for pesticides should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

Eye Protection

Wear chemical goggles. Use a face shield if splashing is possible.

Protective Gloves

Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.

Other Protective Clothing

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

Engineering Controls (Ventilation etc.)

Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

Work/Hygienic/Maintenance Practices

Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

Eye wash fountain and emergency showers are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	> 200.00 F Method Used: Pensky-Marten Closed Cup
Specific Gravity (Water = 1):	1.008
Density:	8.41 LB/GL
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	No data.
Percent Volatile:	No data.
pH:	9 - 11

Appearance and Odor

Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Keep away from strong oxidizing agents.

Incompatibility - Materials To Avoid

Keep away from strong oxidizing agents (may result in a fire), and reducing agents.

Hazardous Decomposition Or Byproducts

Carbon monoxide, carbon dioxide and toxic chloride vapors.

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information

Primary Skin Corrosive III
Primary Eye Corrosive II

Chronic Toxicological Effects

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	n.a.	n.a.	n.a.	n.a.

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 Supersedes Revision: 07/12/2012

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
2. Quaternary ammonium compounds, C12-14-alkyl.((ethylphenyl)m	68956-79-5	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information

Very toxic to aquatic organisms.

This product is biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

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

CONTAINER DISPOSAL/PESTICIDE STORAGE: Non-refillable container. Store only in original container.

Do not reuse empty

container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked

storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container

¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times.

Wrap container and

put in trash or offer for recycling if available.

Dispose of produce according to local, state and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name

Not regulated.

IMDG MFAG Number:

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IMDG EMS Page:

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Additional Transport Information

No data available.

15. REGULATORY INFORMATION

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	No	No	No	No
2. Quaternary ammonium compounds, C12-14-alkyl.((ethylphenyl)m	68956-79-5	No	No	No	No

Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	No	No	Inventory	No
2. Quaternary ammonium compounds, C12-14-alkyl.((ethylphenyl)m	68956-79-5	No	No	No	No

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SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

- Inventory:** Chemical Listed in the TSCA Inventory.
- 5A(2):** Chemical Subject to Significant New Rules (SNURS)
- 6A:** Commercial Chemical Control Rules
- 8A:** Toxic Substances Subject To Information Rules on Production
- 8A CAIR:** Comprehensive Assessment Information Rules - (CAIR)
- 8A PAIR:** Preliminary Assessment Information Rules - (PAIR)
- 8C:** Records of Allegations of Significant Adverse Reactions
- 8D:** Health and Safety Data Reporting Rules
- 8D TERM:** Health and Safety Data Reporting Rule Terminations
- 12(b):** Notice of Export

Other Important Lists:

- CWA NPDES:** EPA Clean Water Act NPDES Permit Chemical
- CAA HAP:** EPA Clean Air Act Hazardous Air Pollutant
- CAA ODC:** EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
- CA PROP 65:** California Proposition 65

International Regulatory Lists:

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

- Yes No Acute (immediate) Health Hazard
- Yes No Chronic (delayed) Health Hazard
- Yes No Fire Hazard
- Yes No Sudden Release of Pressure Hazard
- Yes No Reactive Hazard

Regulatory Information

EPA Number: 10324-167-4091

TSCA Status

While all ingredients may not be listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.

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16. OTHER INFORMATION

No data available.

N.A.=Not available, N.P.=Not applicable, N.D.=Not determined, N.E.=Not established, N.R.=Not required