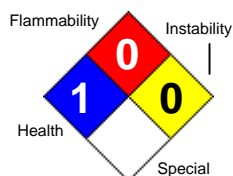


# MATERIAL SAFETY DATA SHEET

## MILDEW REMOVER

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HEALTH		1
FLAMMABILITY		0
PHYSICAL HAZ.		0
PPE	G	



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### 1. Product and Company Identification

**Product Code:** QKMR30704  
**Product Name:** MILDEW REMOVER  
**Reference #:** 225.2  
**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

### 2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Percentage	OSHA PEL	ACGIH TLV	Other Limits
1. Sodium hypochlorite	7681-52-9	95.0 -100.0 %	No data.	No data.	No data.
Hazardous Components (Chemical Name)	RTECS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Sodium hypochlorite	NH3486300	No data.	No data.	No data.	No data.

### 3. Hazards Identification

#### Emergency Overview

No data available.

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

#### Health Hazards (Acute and Chronic)

**Inhalation Acute Exposure Effects:**

Not recommended for use by persons with heart conditions or chronic respiratory problems. May cause irritation of respiratory tract, difficulty in breathing, nausea, vomiting, delirium, coma, and death.

**Skin Contact Acute Exposure Effects:**

This product is a skin irritant. May cause drying of skin, rash, blisters, and cracking.

**Eye Contact Acute Exposure Effects:**

This material is an eye irritant.

**Ingestion Acute Exposure Effects:**

May cause nausea, irritation of mouth and throat, gastrointestinal irritation, holes in esophagus and stomach, delirium, coma, and death.

**Chronic Exposure Effects:**

Prolonged or repeated contact may cause dermatitis. May cause constant irritation of eyes and respiratory tract.

#### Signs and Symptoms Of Exposure

**Primary routes of exposure:**

Inhalation, ingestion, and dermal.

**Medical Conditions Generally Aggravated By Exposure**

Diseases of the skin.

**OSHA Hazard Classes:**

HEALTH HAZARDS : N/E

PHYSICAL HAZARDS : N/E

TARGET ORGANS & EFFECTS: N/E

**4. First Aid Measures**

**Emergency and First Aid Procedures**

Inhalation:

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

Skin contact:

Wash with soap and large quantities of water for at least 15 minutes. Seek medical attention if irritation from contact persists.

Eye contact:

Immediately flush eyes with water, remove any contact lens, continue flushing with water for at least 15 minutes. Get medical attention.

Ingestion:

Drink one or two glasses of water or milk. Never attempt to give anything by mouth to an unconscious person. Call your poison control center, hospital emergency room, or physician immediately.

**Note to Physician**

Call your local poison control center for further instructions.

**5. Fire Fighting Measures**

**Flash Pt:** No data.

**Explosive Limits:** LEL: 1 UEL: No data.

**Autoignition Pt:** No data.

**Special Fire Fighting Procedures**

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

**Unusual Fire and Explosion Hazards**

No data available.

**Extinguishing Media**

Use carbon dioxide, dry powder, or foam.

**Unsuitable Extinguishing Media**

No data available.

**6. Accidental Release Measures**

**Steps To Be Taken In Case Material Is Released Or Spilled**

Clean-up:

Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources, keep flares, smoking or flames out of hazard area.

Small spills:

Take up the spilled liquid with sand, earth, or other noncombustible absorbent material and place in a plastic container where applicable.

Large spills:  
Dike far ahead of spill for later disposal.

## 7. Handling and Storage

### Precautions To Be Taken in Handling

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

### Precautions To Be Taken in Storing

Keep container tightly closed when not in use. Store in a cool, dry place. Protect from freezing. Avoid extreme high or low temperatures.

## 8. Exposure Controls/Personal Protection

### Respiratory Equipment (Specify Type)

For OSHA controlled work place and other regular users -- Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirators. A dust mask does not provide protection against vapors.

### Eye Protection

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

### Protective Gloves

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

### Other Protective Clothing

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

### Ventilation

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering -- Stop -- ventilation is inadequate. Leave area immediately.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas	[ X ] Liquid	[ ] Solid
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	> 212.00 F		
<b>Autoignition Pt:</b>	No data.		
<b>Flash Pt:</b>	No data. Method:		
<b>Explosive Limits:</b>	LEL: 1	UEL: No data.	
<b>Specific Gravity:</b>	No data.		
<b>Bulk Density:</b>	8.905 LB/GA		
<b>Vapor Pressure:</b>	No data.		
<b>Vapor Density:</b>	No data.		
<b>Evaporation Rate:</b>	No data.		
<b>Solubility in Water:</b>	No data.		

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**Percent Volatile:** 96.0 % by weight.  
**Corrosion Rate:** No data.  
**pH:** No data.  
**Appearance and Odor**  
No data available.

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

#### Conditions To Avoid - Instability

No data available.

#### Incompatibility - Materials To Avoid

Incompatible with acids, ammonia, or other household chemicals. Do not mix with acids, ammonia, or other household chemicals as dangerous fumes may result.

#### Hazardous Decomposition Or Byproducts

Thermal decomposition may produce chlorine gas.

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

#### Conditions To Avoid - Hazardous Polymerization

No data available.

### 11. Toxicological Information

#### Toxicological Information

No data available.

#### Carcinogenicity/Other Information

No data available.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. Ecological Information

#### Ecological Information

No data available.

### 13. Disposal Considerations

#### Waste Disposal Method

Dispose in accordance with applicable local, state, and federal regulations.

### 14. Transport Information

#### LAND TRANSPORT (US DOT)

##### DOT Proper Shipping Name

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. Sodium hypochlorite	7681-52-9	No	Yes 100 LB	No	No

#### US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Sodium hypochlorite	7681-52-9	No	No	No	No

#### 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.

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- 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:

- 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

### 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

### 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 Reactive Hazard
- Yes  No Sudden Release of Pressure Hazard

## 16. Other Information

### Company Policy or Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.