

Home Armor Outdoor Cleaning System Power Clean Wand System and Cartridge

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Home Armor Outdoor Cleaning System Power Clean Wand System and Cartridge
Company Name: W. M. Barr and Company, Inc. **Phone Number:**
 2105 Channel Avenue (901)775-0100
 Memphis, TN 38113
Web site address: www.wmbarr.com
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Intended Use: Outdoor Cleaning System
Product Code: HA100, HA150, HA150AM, HA151AM

2. HAZARDS IDENTIFICATION

Oxidizing Solids, Category 2
Acute Toxicity: Oral, Category 4
Skin Corrosion, Category 1B
Serious Eye Damage, Category 1
Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: **Danger**

GHS Hazard Phrases: H272 - May intensify fire; oxidizer.
 H302 - Harmful if swallowed.
 H314 - Causes severe skin burns and eye damage.
 H318 - Causes serious eye damage.
 H335 - May cause respiratory irritation.

GHS Precautionary Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P220 - Keep away from combustible materials.
 P221 - Take any precaution to avoid mixing with combustibles/...
 P260 - Do not breathe dust/spray.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P321 - Specific treatment see label.
 P330 - Rinse mouth.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container according to local, state and federal regulations.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	Molecular Formula
7778-54-3	Calcium hypochlorite {Hypochlorous acid, calcium salt; Basic calcium hypochloride}	60.0 -80.0 %	H2Cl2O2.Ca
471-34-1	Calcium carbonate	1.0 -5.0 %	CaCO3
10137-74-3	Chloric acid, Calcium salt	1.0 -5.0 %	Ca.2ClHO3
1305-62-0	Calcium dihydroxide	1.0 -5.0 %	Ca(OH)2

Additional Chemical Information Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation:	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.
In Case of Skin Contact:	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.
In Case of Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.
In Case of Ingestion:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Signs and Symptoms of Exposure:	Causes severe skin burns and eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.
Indication of any immediate medical attention and special treatment needed:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation.

5. FIRE FIGHTING MEASURES

Flash Point:	N.D.
Explosive Limits:	LEL: N.A. UEL: N.A.
Autoignition Pt:	N.D.
Suitable Extinguishing Media:	Drench with large quantities of water only.
Unsuitable Extinguishing Media:	Do not use dry chemicals or foams. Product supplies own oxygen, therefore attempts to smother fire with a wet blanket, carbon dioxide, dry chemical extinguisher or other means are not effective. Product has the potential to cause a violent reaction if dry chemical fire extinguishers are used.
Fire Fighting Instructions:	Firefighters should be equipped with self-contained breathing apparatus and turn out gear. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.
Flammable Properties and Hazards:	May intensify fire; oxidizer. During fire, gases hazardous to health may be formed. Greatly increases the burning rate of combustible materials. Containers may explode when heated. Emits toxic fumes under fire conditions. Chlorine gas may be generated. Runoff

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Hazardous Combustion Products:	<p>may create fire or explosion hazard.</p> <p>Chlorine gas may be generated.</p>
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6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	<p>Keep unnecessary personnel away. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Do not mix this product with any other chemicals. Contamination with moisture, acids, organic matter, other chemicals, petroleum or paint products or other easily combustible materials may start a chemical reaction with generation of heat, liberation of hazardous gases and possible violent reaction leading to fire or explosion.</p>
Environmental Precautions:	<p>Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.</p>
Steps To Be Taken In Case Material Is Released Or Spilled:	<p>Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. Minimize dust generation and accumulation. Wear appropriate protective equipment and clothing during clean-up. Stop the flow of material, if this is without risk.</p> <p>Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.</p> <p>Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	<p>Do not remove cartridge from bag prior to use. Do not remove tablets from cartridge. Minimize dust generation and accumulation. Keep away from heat. Keep away from clothing and other combustible materials. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Only use outdoors with adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Do not mix this product with any other chemicals. Contamination with moisture, acids, organic matter, other chemicals, petroleum or paint products or other easily combustible materials may start a chemical reaction with generation of heat, liberation of hazardous gases and possible violent reaction leading to fire or explosion. Always add product to large quantities of water to fully dissolve product. Use cartridge only as directed. Ensure product is used according to label directions until completely emptied. If partially filled, contact your local solid waste agency for disposal instructions. Do not attempt to reuse or refill cartridge.</p>
Precautions To Be Taken in Storing:	<p>Do not allow material to become wet during storage. Store in a cool, dry place out of direct sunlight. Store only in original container. Store in a well-ventilated place. Do not store near combustible materials (towels, clothes, etc). Store away from incompatible materials (see Section 10 of the SDS).</p>

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
471-34-1	Calcium carbonate	ACGIH TLV	TLV: 10 mg/m3 (E)	
1305-62-0	Calcium dihydroxide	ACGIH TLV OSHA PELs	TLV: 5 mg/m3 (dust) PEL: 15 (dust); 5 (resp.) mg/m3	

Personal Protective

Equipment Symbols:

Respiratory Equipment (Specify Type):

When used by the consumer following directions for use and with adequate ventilation, respiratory protection should not be needed. In case of emergency or large spill clean up, an approved full-face NIOSH respirator equipped with an acid gas/organic vapor combination cartridge with a P100 particulate filter should be worn.

Eye Protection:

Safety glasses should be worn during normal handling of this material. Where contact with the eyes or face is likely, a faceshield or chemical splash goggles should be worn to prevent eye contact.

Protective Gloves:

Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing:

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Engineering Controls (Ventilation etc.):

No data available.

Work/Hygienic/Maintenance Practices:

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: White. Tablets. chlorine-like.

pH: 12.5 - 13

Melting Point: N.D.

Boiling Point: No data.

Flash Point: N.D.

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: N.A. UEL: N.A.

Vapor Pressure: N.D.

Vapor Density (vs. Air=1): No data.

Specific Gravity (Water=1): No data.

Bulk density: 1 - 1.07 G/CC

Solubility in Water: 100 %

**Saturated Vapor
Concentration:** N.D.

**Octanol/Water Partition
Coefficient:** No data.

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Autoignition Pt: N.D.
Decomposition Temperature: 338.00 F (170.0 C) - 356.00 F (180.0 C)
Viscosity: No data.

10. STABILITY AND REACTIVITY

Reactivity: Product decomposes at approximately 170-180°C (338-356°F) releasing oxygen gas and some chlorine gas.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Heat, Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.

Incompatibility - Materials To Avoid: Highly reactive or incompatible with the following materials: moisture, combustible materials, organic materials, metals, acids, alkalis, oxidizing materials, reducing materials, ammonia, petroleum products, paint products, wood and paper, and pool chemicals. Acid or ammonia contamination will release toxic gases.

Hazardous Decomposition or Byproducts: chlorine.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Inhalation: May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact: Causes severe skin burns.

Eye contact: Causes serious eye damage.

Ingestion: Causes digestive tract burns. Harmful if swallowed.

In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed.

CAS# 7778-54-3:
Acute toxicity, LD50, Oral, Rat, 850.0 MG/KG.
Result:
Behavioral: Ataxia.
Musculoskeletal: Other changes.
Nutritional and Gross Metabolic: Weight loss or decreased weight gain.
- Pesticide & Toxic Chemical News., Food Chemical News, Inc., 400 Wyatt Bldg., 777 14th St., NW, Washington, DC 20005, Vol/p/yr: 9,21, 1980

Irritation or Corrosion: Causes severe skin burns and eye damage.

Symptoms related to Toxicological Characteristics: Causes severe skin burns and eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Sensitization: No known significant effects or critical hazards.

Chronic Toxicological: No known significant effects or critical hazards.

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Effects:

Carcinogenicity:		NTP? No	IARC Monographs? No	OSHA Regulated? No		
CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA	
7778-54-3	Calcium hypochlorite {Hypochlorous acid, calcium salt; Basic calcium hypochloride}	n.a.	n.a.	n.a.	n.a.	
471-34-1	Calcium carbonate	n.a.	n.a.	n.a.	n.a.	
10137-74-3	Chloric acid, Calcium salt	n.a.	n.a.	n.a.	n.a.	
1305-62-0	Calcium dihydroxide	n.a.	n.a.	n.a.	n.a.	

12. ECOLOGICAL INFORMATION

General Ecological Information: Toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with all applicable local, state, and federal regulations. Follow label instructions for empty containers.

RCRA Waste ID Code: D001

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixture, with not less than 5.5 percent but not more than 16 percent water.

DOT Hazard Class: 5.1 OXIDIZER

UN/NA Number: UN2880

Packing Group: II



Additional Transport Information: The shipper / supplier may be able to apply one of the following exceptions if allowed under 49 CFR Regulations: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49 CFR Hazmat Regulations. Please consult 49 CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. REGULATORY INFORMATION

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

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7778-54-3	Calcium hypochlorite {Hypochlorous acid, calcium salt; Basic calcium hypochloride}	No	Yes NA	No
471-34-1	Calcium carbonate	No	No	No
10137-74-3	Chloric acid, Calcium salt	No	No	No
1305-62-0	Calcium dihydroxide	No	No	No

Other US EPA or State Lists

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7778-54-3	Calcium hypochlorite {Hypochlorous acid, calcium salt; Basic calcium hypochloride}	TSCA: Inventory
471-34-1	Calcium carbonate	TSCA: Inventory
10137-74-3	Chloric acid, Calcium salt	
1305-62-0	Calcium dihydroxide	TSCA: Inventory

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Regulatory Information: This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

Regulatory Information Statement:

16. OTHER INFORMATION

Revision Date: 09/26/2024
Preparer Name: W.M. Barr Regulatory Department

Additional Information About This Product: No data available.

Company Policy or Disclaimer: