

SAFETY DATA SHEET
Mr. Clean Outdoor
Cleaner Hose End

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Mr. Clean Outdoor Cleaner Hose End
Company Name: W. M. Barr
2105 Channel Avenue Memphis, TN
38113
Phone Number: (901)775-0100
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: Mold and Mildew Stain Remover
Product Code: FG411
Additional 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.

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2

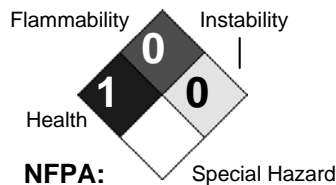


GHS Signal Word: Warning
GHS Hazard Phrases: H315: Causes skin irritation.
H319: Causes serious eye irritation.
GHS Precaution Phrases: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P302+352: IF ON SKIN: Wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment see label.
P332+313: If skin irritation occurs, get medical advice/attention.
P337+313: If eye irritation persists, get medical advice/attention.
P362: Take off contaminated clothing and wash before re-use.
GHS Storage and Disposal Phrases: No phrases apply.

Hazard Rating System:

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PPE	C

HMIS:



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

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Potential Health Effects
(Acute and Chronic):

Inhalation Acute Exposure Effects:
Inhalation of fumes or mists may cause irritation of the respiratory tract and mucous membranes. If sodium hypochlorite is mixed with ammonia or other chemicals, evolution of chlorine or chlorine based compounds results. These gases can produce pulmonary edema.

Skin Contact Acute Exposure Effects:
This product may cause skin irritation. May cause drying of skin, rash, blisters, and cracking. May cause burns to broken skin.

Eye Contact Acute Exposure Effects:
This material is an eye irritant.

Ingestion Acute Exposure Effects:
May harmful in contact with the mouth and throat, mucous membranes, and stomach.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	<=5.0 %	NH3486300
7647-14-5	Sodium chloride	< 5.0 %	VZ4725000
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	< 1.0 %	WB4900000
151-21-3	Sodium lauryl sulfate {Dodecyl sulfate, sodium salt}	< 1.0 %	WT1050000
1344-09-8	Sodium silicate	< 1.0 %	VV9365000

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

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.

Signs and Symptoms Of Exposure:

Primary routes of exposure:
Dermal.

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5. FIRE FIGHTING MEASURES

Flash Pt:	Non-Combustible
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Non-combustible liquid - use extinguishing media for underlying cause of fire.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	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.
Flammable Properties and Hazards:	No flash to boiling. This material does not exhibit a flashpoint per the Setaflash Closed Cup test method.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	Following product recovery, flush area with water.
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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

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	No data.	No data.	No data.
7647-14-5	Sodium chloride	No data.	No data.	No data.
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
151-21-3	Sodium lauryl sulfate {Dodecyl sulfate, sodium salt}	No data.	No data.	No data.
1344-09-8	Sodium silicate	No data.	No data.	No data.
Respiratory Equipment (Specify Type):	For occasional consumer use - When used outdoors no ventilation required for indoors use with adequate ventilation. If a strong odor is noticeable, ventilation is not adequate.			
Eye Protection:	Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury.			
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. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use.			

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Engineering Controls (Ventilation etc.):	Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes. 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.
Work/Hygienic/Maintenance Practices:	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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Hazy slight yellow liquid.
Melting Point:	No data.
Boiling Point:	> 212.00 F
Autoignition Pt:	No data.
Flash Pt:	NA
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	1.0733
Density:	8.93 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.
Solubility Notes:	Completely soluble in water.
pH:	12.5 - 13.5
Percent Volatile:	N.D.

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.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information: Refer to section 2 for acute and chronic effects.

Irritation or Corrosion: CAS# 7647-14-5:
Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, 24 H, Moderate.

Result:

Kidney, Ureter, Bladder: Changes in liver weight.

Blood: Changes in erythrocyte (RBC) count.

Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels:

Phosphatases.

- "Sbornik Vysledku Toxixologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,7, 1972

Product tested as a whole for skin corrosion using Corrositex test and determined to be Category 2 Skin Irritant.

Eye irritation Category 2 based on human exposure to sodium hypochlorite (household bleach); ATSDR, 2010, Racioppi et al., 1994, Ingram, 1990

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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	n.a.	n.a.	n.a.	n.a.
7647-14-5	Sodium chloride	n.a.	n.a.	n.a.	n.a.
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	n.a.	n.a.	n.a.	n.a.
151-21-3	Sodium lauryl sulfate {Dodecyl sulfate, sodium salt}	n.a.	n.a.	n.a.	n.a.
1344-09-8	Sodium silicate	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.
 <= 5% Sodium Hypochlorite (7681-52-9), GHS - Aquatic Toxicity (Acute), Category 2

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with applicable local, state, and federal regulations.
Waste Disposal Method: D002

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not Regulated by DOT
DOT Hazard Class:
UN/NA Number:

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)
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	No	Yes 100 LB	No
7647-14-5	Sodium chloride	No	No	No
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	No	Yes 1000 LB	No
151-21-3	Sodium lauryl sulfate {Dodecyl sulfate, sodium salt}	No	No	No
1344-09-8	Sodium silicate	No	No	No

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

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7681-52-9	Sodium hypochlorite {Hypochlorous acid, sodium salt}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
7647-14-5	Sodium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
151-21-3	Sodium lauryl sulfate {Dodecyl sulfate, sodium salt}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

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1344-09-8 Sodium silicate

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -
Inventory; CA PROP.65: No

16. OTHER INFORMATION

Revision Date: 06/23/2016

Preparer Name: W.M. Barr EHS Dept (901)775-0100

Additional Information About No data available.

This Product:

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.