

## MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's  
Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health  
Administration (Non-Mandatory Form)  
Form Approved  
OMB No. 12180072

IDENTITY (As used on label and list) <b>Driveway &amp; Concrete Cleaner</b>		Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.		
<b>Section I - Manufacturer</b>				
Manufacturer's Name: <b>Aiken Chemical Company</b>		Emergency Telephone Number <b>1-800-922-1117; (864) 765-7359</b>		
Address (Number, Street, City, State and Zip Code) <b>P.O. Box 27147 Greenville, SC 29616</b>		Telephone Number for Information <b>(864)968-1250; 1-800-828-1860</b>		
12 Shelter Drive, Greer, SC 29650		Date Prepared: <b>November 15, 2007</b>	Revision #: <b>May 25, 2010</b>	
		Signature of Preparer (Optional)		
<b>Section II - Hazardous Ingredients / Identity Information</b>				
Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS	%
Sodium Metasilicate, CAS No. 6834-92-0	>2 ceiling limit	>2 ceiling limit		0.1 - 2
Sodium Hydroxide, CAS No. 1310-73-2	2	2		0.1 - 2
	<b>NFPA</b>	<b>HMIS</b>		
	2-1-0	2-1-0-C		
TSCA Information: All ingredients of this product are listed on the TSCA inventory.				
<b>Section III - Routes and Effects of Overexposure</b>				
<b>SKIN:</b> Corrosive. Can cause burns or irritation. Prolonged or repeated contact can cause defatting or dermatitis.				
<b>EYES:</b> Corrosive. Can cause burns or irritation. Severe irritant. Can cause redness or tearing.				
<b>INGESTION:</b> Corrosive. Harmful if swallowed. Can cause gastrointestinal irritation or burns to digestive tract.				
<b>INHALATION:</b> Harmful if inhaled. Excessive inhalation of mists or vapors can cause irritation of nasal and respiratory passages.				
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing skin and respiratory problems.				
<b>Section IV - Emergency and First Aid Procedures</b>				
<b>SKIN:</b> Remove contaminated clothing. Thoroughly wash exposed area with soap and water for at least 15 minutes. Seek medical attention immediately.				
<b>EYES:</b> Remove contact lenses if present. Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower eyelids periodically to insure complete flushing. Seek medical attention immediately.				
<b>INGESTION:</b> DO NOT induce vomiting. If conscious, dilute by giving 2-3 glasses of water. Seek medical attention immediately.				
<b>INHALATION:</b> Remove individual to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention immediately.				
<b>Section V - Fire-Fighting Measures</b>				
<b>EXTINGUISHING MEDIA:</b> Water fog, alcohol foam, carbon dioxide or dry chemical.				
<b>SPECIAL FIRE-FIGHTING MEDIA:</b> Use water to keep fire-exposed containers cool until fire is out.				
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Never use a welding or cutting torch or other source of heat on or near chemical product containers.				
<b>Section VI - Accidental Release Measures</b>				
<b>Steps to be Taken in Case Material is Released or Spilled:</b> Stop spill at the source, dike area to prevent spreading. Remaining liquid may be taken up with sand, clay, floor absorbent, or other absorbent material and shoveled into salvage containers.				
<b>Waste Disposal Method:</b> Dispose of in accordance with all local, state and federal regulations.				
<b>Other Precautions:</b> Wear body-covering impervious protective clothing, chemical safety glasses with side shields and/or face shield, chemical resistant gloves and boots.				

### Section VII – Handling and Storage

**Handling:** General handling; avoid breathing vapor. Do not get in eyes, on skin or clothing. Do not swallow. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Keep away from aluminum metal. See Section VIII – Exposure Controls and Personal Protection.

**Storage:** Do not store in aluminum, copper, or galvanized containers.

**Other Precautions:** Containers, even those that have been emptied, can contain product and vapors. Avoid contact with residual product.

### Section VIII – Exposure Controls and Personal Protection

**Respiratory Protection (Specify Type)** To avoid breathing spray or vapors or when required, wear NIOSH/MSA approved respirator. Also use respirator if in a confined space without local or mechanical exhaust system.

<b>Ventilation:</b> Use adequate ventilation to avoid mists and vapors.	<b>Local Exhaust</b> Acceptable	<b>Special:</b> None
	<b>Mechanical (General)</b> To reduce exposure limits	<b>Other:</b> None

<b>Protective Gloves</b> Neoprene, Nitrile Rubber, Polyethylene	<b>Eye Protection</b> Chemical safety glasses with side shields and/or face shield
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**Other Protective Clothing or Equipment**  
To prevent skin contact, wear body-covering, impervious clothing, chemical resistant gloves and boots.

**Work Hygienic Practices**  
Always use caution when working with chemicals. Wash hands before eating, smoking or drinking.

### Section IX – Physical / Chemical Characteristics

<b>Boiling Point:</b>	>212° F	<b>Specific Gravity:</b>	1.020
<b>Vapor Pressure (mm Hg.):</b>	Not Determined	<b>Melting Point:</b>	NA
<b>Vapor Density (AIR=1):</b>	Not Determined	<b>Evaporation Rate (Butyl Acetate=1):</b>	<1.0
<b>Solubility in Water:</b>	Complete	<b>pH:</b>	12.5
<b>Appearance and Odor:</b>	Clear yellow liquid with clean odor.	<b>LEL:</b>	Not Determined
		<b>UEL:</b>	Not Determined
<b>Flammable Limits:</b>	Not Determined	<b>Flash Point (Method Used):</b>	>200° F (PMCC)

### Section X – Reactivity Data

<b>Stability:</b>	<b>Unstable:</b>	<b>Conditions to Avoid:</b> Mixing or blending with oxidizing or low pH solutions
	<b>Stable:</b> X	

**Incompatibility (Materials to Avoid):** Avoid contact with reactive metals, strong mineral acids and organic acids.

**Hazardous Decomposition or Byproducts:** Carbon dioxide, carbon monoxide, various hydrocarbons and can include aldehydes, ketones, organic acids and other organics.

<b>Hazardous Polymerization</b>	<b>May Occur</b>	<b>Conditions to Avoid:</b> None
	<b>Will Not Occur</b> X	

### Section XI – Toxicological Information

Acute health hazard – severe eye irritant. Will eventually burn skin and/or digestive tract.

### Section XII – Ecological Information

Not Determined

### Section XIII – Transport Information, Including IMDG

**PROPER SHIPPING NAME:** Corrosive Liquid N.O.S. (Sodium Hydroxide)

**HAZARD CLASS:** 8, Corrosive

**ID NUMBER:** UN 1760

**PACKING GROUP:** II

**PLACARDING:** CORROSIVE LIQUID

**IATA:** Packaging not suitable to be shipped by air.

### Section XIV – Regulatory Information

TSCA Status: All components are listed on the Toxic Substance Control Act Chemical Substances Inventory

Section 311 Hazard Category - Acute

CERCLA Section 102(a) Sodium Hydroxide Reportable quantity for product is 48,500 pounds

Section 313 Toxic Release Inventory Chemical: Glycol ethers, 1% max

**California Safe Drinking Water Enforcement Act (Prop 65):**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

**Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Special Hazardous Substances List and/or Pennsylvania Environmental hazardous Substance List:**

This material contains the following components that appear on the PA list:

Component	CAS#	Amount
Ethylene glycol monobutyl ether	111-76-2	≤1%

**New Jersey Right-to-Know Hazardous Substance List:**

This material contains the following components that appear on the NJ list:

Component	CAS#	Amount
Ethylene glycol monobutyl ether	111-76-2	≤1%
Sodium Hydroxide	1310-73-2	≤2%

**Massachusetts Substance List:**

This material contains the following components that appear on the MA list:

Component	CAS#	Amount
Ethylene glycol monobutyl ether	111-76-2	≤1%