

SAFETY DATA SHEET

Heavy Duty Steam Cleaner

Section 1: Product and Company Identification:

Product Name: Heavy Duty Steam Cleaner
Product Use: Cleaner
Part's: 85055G
Manufacture/Supplier: Aiken Chemical Company
P.O. Box 27147, Greenville, SC 29616
12 Shelter Drive, Greer, SC 29650
Phone Number: (864) 968-1250
1-800-828-1860
Emergency Phone: 1-800-424-9300
Date of Preparation: May 29, 2015

Section 2: Hazards Identification:

Hazard Determination System (HDS): Health, Flammability, Reactivity



Emergency Overview:

Warning: Over exposure to this product may cause severe eye irritation and chemical burns.
Potential Health Effects: See Section 11 for more information.
Likely Routes of Exposure: Skin contact, eye contact, ingestion, and inhalation of mist.
Eye: May cause redness, tearing and severe irritation; which may result in impairment of vision.
Skin: Prolonged or repeated contact can cause irritation, defatting, dermatitis and possible chemical burns.
Ingestion: Accidental ingestion may cause gastrointestinal irritation, nausea, diarrhea, vomiting and possible damage to mucous membranes.
Inhalation: This product is not volatile and as a result, inhalation is not seen as potential hazard, but may cause problems such as irritation & burns of the nose & throat to some individuals by inhaling mist.
Chronic Effects: Pre-existing skin conditions may increase likelihood of irritation.
Carcinogenicity: Ingredients not listed as carcinogen by OSHA, NTP or IARC.

Section 3: Composition / Information on Ingredients:

Ingredient:	CAS#	Percent
Potassium Hydroxide	1310-58-3	1 - 5
Diethylene Glycol Monobutyl Ether	112-34-5	1 - 5

TCSA Information: All ingredients of this product are either listed on or exempt from the TSCA inventory.

Section 4: First Aid Measures:

Eye Contact: Immediately flush eyes with large amounts of running water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation persists seek medical attention.
Skin Contact: Remove contaminated clothing. Thoroughly wash exposed area with soap and water for at least 15 minutes. If irritation persists, seek medical attention.
Inhalation: Remove individual to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention.
Ingestion: DO NOT induce vomiting. Dilute by giving large amount of water. Get medical attention immediately.

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Section 5: Fire Fighting Measures:

Extinguishing Media: Water fog, alcohol foam, carbon dioxide or dry chemical
Special fire-fighting media: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Water or foam may cause frothing of the product.
Unusual fire and explosion hazards: Extinguish all nearby sources of ignition and keep exposed drum cool with a water fog.

Section 6: Accidental Release Measures:

Personal Precautions: Use personal protection recommended in section 8.
Environmental Precautions: Not Available.
Methods for Containment: Stop spill at the source, dike area to prevent spreading.
Methods for Clean-up: Remaining liquid may be taken up with sand, clay, floor absorbent, or other absorbent material and shoveled into salvage containers.
Waste Disposal Method: Dispose of in accordance with all local, state and federal regulations.
Other Information: Spilled material is very slippery – use caution to avoid falls.

Section 7: Handling and Storage:

Handling: Do not get in eyes, on skin or clothing. Do not swallow. Wash thoroughly after handling.
Storage: Store in a cool dry area away from acid & reactive metals.
Precautions: Protect from freezing or excessive heat.

Section 8: Exposure Controls/Personal Protections:

Exposure Guidelines:

Ingredient	Exposure Limits			
	OSHA-PEL	ACGIH-TLV	Other Limits	Percent
Potassium Hydroxide:	2mg/m ³ Air	2mg/m ³ Air		1 - 5
Diethylene Glycol Monobutyl Ether:	25 ppm Skin	25 ppm Skin		1 - 5

Engineering Controls: Do not get in eyes, on skin or clothing. Do not swallow. Wash thoroughly after handling.

Personal Protective Equipment:

Eye/Face Protection: Chemical splash goggles or face shield.
Hand Protection: Neoprene or rubber gloves
Skin and Body Protection: To prevent skin contact; wear impervious clothing and boots.
Respiratory: None, unless exposure limits are exceeded; then use NIOSH/MSHA air supplied device.
General Hygiene Considerations: Always use caution when working with chemicals. Wash thoroughly before eating, smoking or drinking and after handling product.

Section 9: Physical and Chemical Properties:

Appearance and Odor: Clear blue liquid with a characteristic odor
Physical State: Liquid
pH: > 13.0
Freezing Point: ~0°C (~32°F)
Boiling Point: >100°C (>212°F)
Flash Point (Method Used): >100°C (>212°F) (PMCC)
Evaporation Rate (Butyl Acetate= 1) : Not Determined
LEL: Not Determined
UEL: Not Determined
Vapor Pressure (mm Hg.): Not Determined
Vapor Density (AIR=1): Not Determined
Specific Gravity: 1.050 – 1.10
Solubility in Water: Complete

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Melting Point: ~0°C (~32°F)
Auto-Ignition Temperature: Not Determined
Percent Volatile, wt%: Not Determined
VOC content, wt. % < 0.2%

Section 10: Stability and Reactivity:

Stability: Stable under normal storage conditions.
Conditions to Avoid: Do not allow contact with acids
Incompatibility (Materials to Avoid): All acids and low pH materials. Soft metals such as aluminum, tin etc.
Hazardous Decomposition or Byproducts: Carbon dioxide & carbon monoxide
Hazardous Polymerization: Will Not Occur.

Section 11: Toxicology Information:

Effects of Acute Exposure None Known
Acute Oral Toxicity: None Known
Acute Inhalation Toxicity: None Known
Acute Dermal Toxicity: None Known

Section 12: Ecological Information:

Ecotoxicity: Not Available
Persistence/Degradability: Not Available
Bioaccumulation/Accumulation: Not Available
Mobility in Environment: Not Available

Section 13: Disposal Considerations:

Disposal Instructions: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: Transportation Information:

DOT Classification, TDG Classification, IMDG Classification:

UN Number: UN1760
Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide)
Classes: Class 8: Corrosive liquid
Packing Group: II

Section 15: Regulatory Information:

Chemical Inventories:

TSCA: All ingredients of this product are either listed on or exempt from the TSCA inventory.
SARA Section 311: Hazard Category: Potassium Hydroxide
SARA Section 313: Toxic Release Inventory Chemical: None

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 Substance List and/or Pennsylvania Environmental Hazardous Substance list:

Component	CAS#	Amount
Potassium Hydroxide	1310-58-3	1 - 5%
Diethylene glycol monobutyl ether	112-34-5	1 - 5%

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New Jersey Right-to-Know Hazardous Substance List:

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

Component	CAS#	Amount
Diethylene glycol monobutyl ether	112-34-5	1 – 5%

Massachusetts Substance List:

This material contains the following components that appear on the Massachusetts Substance List:

Component	CAS#	Amount
Potassium Hydroxide	1310-58-3	1 – 5%

Section 16: Other Information:

NFPA	Health Hazard	Flammability	Instability	Physical & Chemical Hazards
	2	0	0	NA
HMIS	Health Hazard	Flammability	Physical Hazard	Personal Protection
	2	0	0	B

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Revision Date:

General Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.