

MATERIAL SAFETY DATA SHEET

Section I – Product & Company Identification

Product Name SWISHER HERCULES
Effective Date March 15, 2011
Company Information Swisher Hygiene, Inc
4725 Piedmont Row Drive
Suite 400
Charlotte, NC 28210
Information Phone 704-374-7707
Emergency Phone 800-255-3924

Section II – Hazardous Ingredients

Component	CAS #	TLV (ppm)	% (in prod.)
Potassium hydroxide	111-76-2	NA	<3
Sodium metasilicate	6834-92-0	NA	<2
2-butoxy ethanol	111-76-2	25	<10
Tetra sodium ethylenediamine tetra acetate	64-02-8	NA	<1
Tetrapotassium pyrophosphate	7320-34-5	NA	<2

Section III – Health Hazard

Acute Effects of Overexposure:

Skin: Corrosive. May produce burns. Prolonged contact may result in skin burns and ulcerations. Harmful if absorbed through the skin.

Eyes: Corrosive. Contact may cause eye severe eye damage

Inhale: Hazardous in case of inhalation May cause respiratory tract irritation. Liquid or spray mist may produce tissue damage on mucous membranes of eyes mouth and respiratory tract.

Ingest: Can cause nausea and burns to mouth, throat and stomach.

Existing skin diseases may be aggravated by overexposure.

Chronic Effects of Overexposure: Repeated or prolonged exposure may produce defatting of the skin

HMIS Codes: Health 2; Flam. 0; React. 0; Pers. Protection X

Carcinogenic effects: None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA

Section IV – First Aid Measures

First aid procedures:

Skin: Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

Eyes: Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhale: If symptoms occur move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention promptly.

Ingest: If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention at once.

Section V – Fire And Explosion Data

Flash Point (F) none

Flammable Limits: LEL: NA

Fire Fighting Procedure: use water vapor, foam or fog. Firefighters should wear proper protective equipment.

Fire Hazard: NA

Section VI – Accidental Release Measures

Spill Clean Up: Wear appropriate protective equipment. Absorb with an inert material and put spilled material in appropriate waste disposal.

Section VII – Handling And Storage Procedures

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Keep container closed. Wash thoroughly after handling.

Storage: Keep container in cool well ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

Section VIII – Exposure Controls, Personal Protection

Eye Protection: Tight fitting safety goggles are recommended if splashing may occur.

Protective Clothing: Use rubber, neoprene, or nitrile protective gloves for prolonged use

Respiratory: Use with adequate ventilation.

Section IX – Physical And Chemical Data

Boiling Point (F)	212
Specific Gravity:	1.05 -1.09
pH:	13.1 – 13.5
VOC content (%)	8
Evaporation Rate (Bu acetate=1)	>1
Vap. Pressure (mm Hg)	NA
Vap. Density	NA
Solubility in Water:	completely soluble
Appearance and Odor:	Clear blue liquid with glycol fragrance

Section X – Reactivity Data

Stability: Stable

Incompatibility: oxidizing agents, strong acids

Polymerization: Will not occur

Hazardous Decomposition: carbon monoxide, carbon dioxide

Section XI – Toxicological Information

Toxicity to animals

2-butoxy ethanol

Oral (LD50) acute: 1746 mg/kg Rat

Dermal (LD50) acute: 680 mg/kg Rabbit

Vapor (LC50) acute 450 ppm 4 hours Rat female

Section XII – Ecological Information

Ecological Information - not available

Biodegradable/OECD – not available

Section XIII – Disposal Considerations

Waste Disposal Method: Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.

Classification: hazardous waste, (RCRA waste)

Section XIV – Transport Information

Proper shipping name corrosive liquid n.o.s. (potassium hydroxide)

DOT classification corrosive liquid

UN number NA

Section XV – Regulatory Information

SARA 313 toxic chemical notification and release reporting - regulated substance: 2-butoxy ethanol

Clean Water Act (CWA) regulated substance NA

Clean Air Act (CAA) 112 regulated toxic substances 2-butoxy ethanol

Section XV – Other Information

To the best of our knowledge information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.