



Manufactured for:
W.W. Grainger, Inc.
Lake Forest, IL 60045-5201 U.S.A.
(847) 535-1000

Technical Service (847) 535 - 5400
Emergency Phone (800) 228 - 5635
Product Code: SKU #2U120
ITEM #8140110

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HOT SHOT

PRODUCT TYPE: Heavy Duty Alkaline Cleaner

MSDS DATE : January 1, 2000

HMS HAZARD RATING: HEALTH= 2

FLAMMABILITY= 0

REACTIVITY= 0

HMS SCALE: 4=VERY HIGH 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT

I INGREDIENTS

	CAS NUMBER	OSHA(PEL)	ACGIH(TLV)	%
Water	7732-18-5	NA	NA	
*,**[PA,NJ,MA]Sodium hydroxide	1310-73-2	2 ppm (Ceiling)	2 ppm (Ceiling)	9 -11
**[PA,NJ,MA]2-Butoxyethanol	111-76-2	25 ppm (Skin)	25 ppm (Skin)	4 -6
Sodium xylene sulfonate	1300-72-7	NE	NE	4 -6
Ethoxylated nonyl phenol	9016-45-9	NE	NE	2 -4

* Reportable under S.A.R.A. Title III Section 313.

** Subject to reporting requirements under the Pennsylvania, New Jersey and Massachusetts Hazardous Substance List.

II PHYSICAL DATA

APPEARANCE & ODOR: Colorless to light yellow liquid; mild butyl odor.

Boiling Point	Approx. 212 °F	Specific Gravity (Water = 1)	1.12
Vapor Pressure (mmHg 20 °C)	NA	Volatile Organic Compound	56 grams/liter
Vapor Density (Air=1)	NA	pH	13
Solubility in Water	Complete	Evap. Rate (BuAc=1)	NA

III FIRE & EXPLOSION HAZARD

Flash Point = > 200 °F PMCC	Auto Ignition Temp = NE	Flammable Limit LEL = NE UEL =NE
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SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE & EXPLOSION HAZARDS: NONE

EXTINGUISHING MEDIA: [X] Water Spray [X] Carbon Dioxide [X] Foam [X] Dry Chemical [] NA

IV REACTIVITY DATA

STABILITY	HAZARDOUS POLYMERIZATION	HAZARDOUS DECOMPOSITION/BYPRODUCT
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<p><input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable Conditions To Avoid: NA</p>	<p><input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur Conditions to Avoid: None</p>	<p>Oxides of carbon and nitrogen.</p>
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Page 2 of 2 Product Name: HOT SHOT

V HEALTH HAZARD INFORMATION & FIRST AID PROCEDURES

A. CHRONIC HEALTH HAZARD : 2-Butoxyethanol has been found to cause kidney, liver and blood effects in laboratory animals.

B. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE : NONE KNOWN

C. CARCINOGENICITY: NTP YES IARC YES OSHA YES PROP 65 YES
 NO NO NO NO

	Route of Entry	Signs & Symptoms of Acute Overexposure	Emergency & First Aid Procedures
Eyes	x	Redness, tearing, burning	Flush thoroughly with water, remove any contact lenses. Continue to flush with water for at least 15 minutes. If irritation occurs, get medical attention.
Inhalation	x	Nausea, headache, irritated nasal passages	Move subject to fresh air. If symptoms persist, get medical attention.
Ingestion	x	Gastro-Intestinal disturbances	Drink plenty of water and contact a physician and poison control center. Never give anything by mouth to an unconscious person. Never induce vomiting in an unconscious person.
Skin	x	Redness, dryness, irritation	Wash thoroughly with soap and water. If irritation persists, get medical attention.

VI PRECAUTION FOR SAFE HANDLING AND USE

Material is Spilled / Released	Mop up material or pick up with absorbent material. Rinse with water.
Waste Disposal	Follow all Federal, State, and Local Waste Regulations.
Handling & Storing	Keep out of reach of children. WARNING: CORROSIVE
Others	Follow normal hygiene practices.

VII SPECIAL PROTECTION INFORMATION

RESPIRATORY	VENTILATION	PROTECTIVE GLOVES	EYE PROTECTION
<input checked="" type="checkbox"/> None <input type="checkbox"/> Dust Mask <input type="checkbox"/> Canister	<input type="checkbox"/> None <input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical	<input type="checkbox"/> None <input checked="" type="checkbox"/> Rubber or Neoprene	<input type="checkbox"/> None <input checked="" type="checkbox"/> Splash Goggles <input type="checkbox"/> Face Shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash, protective clothing.

VIII D.O.T. INFORMATION

PROPER SHIPPING NAME : Sodium hydroxide solution

HAZARD CLASS : 8
UN / NA NUMBER : UN1824
OTHER : Packaging Group II, ERG 154

MSDS PREPARED BY: EH & S/Regulatory Affairs

THE INFORMATION CONTAINED HEREIN HAS BEEN DEVELOPED BASED UPON CURRENT AVAILABLE SCIENTIFIC DATA. NEW INFORMATION MAY BE DEVELOPED FROM TIME TO TIME WHICH MAY RENDER THE CONCLUSIONS OF THIS REPORT OBSOLETE. THEREFORE, NO WARRANTY IS EXTENDED AS TO THE APPLICABILITY OF THIS INFORMATION TO THE USER'S INTENDED PURPOSE OR FOR THE CONSEQUENCES OF ITS USE OR MISUSE.

NA = Not Applicable NE = Not Established NH = Not Hazardous

Product name: Hot Shot
Date: 2006-11-02

Product code: 8140

SARA 313 ADDENDUM TO MSDS

This product contains the chemicals listed below which are subject to the reporting requirements of Section 313 of the EPCRA/SARA regulations in the United States.

Ingredient(s)	CAS #	Weight %
2-butoxyethanol	111-76-2	4.9991