



# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Heavy Duty Kitchen Cleaner	PACK	4 / 1 gal.
PRODUCT CODE	4929097		

ISSUE DATE	07-21-05
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### EMERGENCY TELEPHONE NUMBERS

MANUFACTURER            Sysco Corporation  
STREET ADDRESS        1390 Enclave Parkway  
CITY, STATE, ZIP       Houston, Texas 77077

Medical Information: (800) 285-6008  
Transportation:        (800) 424-9300 \*  
\* For spill, leak, fire or transport accident emergencies.  
Product Information: (281) 584-1790

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

### HAZARDOUS COMPONENT

\* -- (see note below)

### EXPOSURE LIMITS

	CAS No.	% by wt.	OSHA PEL	ACGIH TLV	NIOSH REL
* Potassium hydroxide	1310-58-3	4	2 mg/m <sup>3</sup> ceiling	2 mg/m <sup>3</sup> ceiling	2 mg/m <sup>3</sup> ceiling
Diethylene glycol butyl ether	112-34-5	2	None	None	None
Linear alcohol ethoxylate	68439-46-3	4	None	None	None
Sodium xylene sulfonate	1300-72-7	2	None	None	None

\* -- Asterisked ingredients are those considered hazardous according to the criteria of 29CFR 1910.1200.  
Other ingredients are listed for informational purposes to assist emergency medical response personnel.

## SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Causes severe chemical burns. Harmful or fatal if swallowed. Eye contact may cause blindness. Vapors can damage respiratory tract.
POTENTIAL HEALTH EFFECTS	
INGESTION .....	Corrosive and causes severe and permanent damage to mouth, throat and stomach. May be fatal if swallowed.
INHALATION .....	Damages airways and lungs, depending upon amount and duration of exposure. Effects can vary from irritation to bronchitis or pneumonia.
EYE CONTACT .....	Severely corrosive to the eyes, and may cause permanent damage, including blindness.
SKIN CONTACT .....	Corrosive; causes severe skin burns. Harmful contact may not cause immediate pain.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink one or two glasses of water. Never give anything by mouth to an unconscious person. <b>Get medical attention immediately.</b>
INHALATION	If exposed to excessive levels of vapors, remove to fresh air and get medical attention if cough or other symptoms develop. People with asthma or other lung problems may be more susceptible to injury.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. <b>Call a physician immediately.</b>
SKIN CONTACT	Immediately flush skin with plenty of cool running water for at least 15 minutes. Wash with soap and water. If irritation develops or persists, get medical attention. Remove contaminated clothing and shoes; wash before reuse.
NOTE TO PHYSICIAN	Treatment based upon judgment of the physician in response to reactions of the patient.

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, alcohol foam, carbon dioxide, dry chemical or water fog.		
SPECIAL FIRE FIGHTING PROCEDURES	None		
FIRE AND EXPLOSION HAZARDS	None		

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Small spills: Flush to sanitary sewer. Mop up residue and rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up on inert absorbent.
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**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store upright in a cool dry place. Keep from freezing. Keep out of reach of children.

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	Observe label precautions; use personal protective equipment. <b>Avoid breathing mists or vapors of this product.</b>
ENGINEERING CONTROLS	Local exhaust ventilation may be necessary during prolonged use conditions. <b>Facilities using this product must be equipped with an eyewash station.</b>

**PERSONAL PROTECTIVE EQUIPMENT**

X	RESPIRATOR	Respiratory protection recommended where vapor concentrations are high
X	GOGGLES / FACE SHIELD	Chemical splash goggles <b>Required</b> ; also use face shield if exposure is severe
X	APRON	Recommended; PVC, Neoprene or Vinyl acceptable
X	GLOVES	<b>Required</b> ; use PVC, Neoprene or Nitrile with long gauntlet or protective cuff
X	BOOTS	Recommended only where product is used in floor cleaning applications

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear yellow liquid	BOILING POINT	212 deg F
ODOR	Butyl	FREEZING POINT	Not established
pH	13.5 (100% concentrate)	VAPOR PRESSURE	Not established
SPECIFIC GRAVITY	1.050	VAPOR DENSITY	Not established
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not determined
VOC CONTENT	2.0% (LVP - VOC)		

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	Do not mix with anything but water. Do not use on aluminum, soft metals, or painted surfaces.					
INCOMPATIBILITY	Contact with strong acids produces exothermic reaction.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	None					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

**SECTION 11 -- TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

**OTHER EFFECTS**

ACUTE	Not determined
CHRONIC	Not determined

**SECTION 12 -- ECOLOGICAL INFORMATION**

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD VALUE	Not established					
ECOTOXICITY	No data available					

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD	Product that cannot be used according to the label must be disposed of as a hazardous waste at an approved hazardous waste management facility. Empty containers may be triple rinsed, then offered for recycling or reconditioning; or puncture and dispose of in a sanitary landfill.								
RCRA CLASSIFICATION	Hazardous, corrosive D002								
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE		NO	

**SECTION 14 -- TRANSPORT INFORMATION**

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DESCRIPTION	CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE), 8, UN1760, II					
SYSCO HM CODE	HM 0066					

**SECTION 15 -- REGULATORY INFORMATION**

## REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
X	KOSHER	
X	SARA TITLE III MATERIAL	Potassium hydroxide (Sec 304); Diethylene glycol butyl ether (Sec 313)
	NSF REGISTERED	
	EPA RECOGNIZED, DfE PROGRAM	

**SECTION 16 -- OTHER INFORMATION**

## NFPA 704 CLASSIFICATION

3	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
1	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Sysco in connection with the use of this information.