MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Oven Cleaner (aerosol foam)	PACK	6 / 24 oz.
PRODUCT CODE	4110581		

ISSUE DATE	02-25-02

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

EMERGENCY TELEPHONE NUMBERS

Medical Information: (800) 228-5635 x161
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				EXPOSURE LIMITS		
* -- (see note below)		CAS No.	% by wt.	OSHA PEL	ACGIH TLV	NIOSH REL
*	Sodium hydroxide	1310-73-2	< 5	2 mg/m3 ceiling	2 mg/m3 ceiling	2 mg/m3; 15 min TWA ceiling
	Diethylene glycol butyl ether	112-34-5	< 5	None	None	None
*	Liquified petroleum gas (contains Butane & Propane)	68476-85-7	< 5	1000 ppm TWA	1000 ppm TWA	1000 ppm TWA
	Sodium dodecylbenzene sulfonate	25155-30-0	< 5	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	Causes severe damage to mucous membranes and intestinal tract. May cause pulmonary injury if aspirated into lung. May be fatal if swallowed.
INHALATION	Damages airways and lungs, depending upon extent of exposure. High concentrations may result in headache, drowsiness, CNS depression.
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 a large quantity of water. Never give anything by mouth to an unconscious person. **Get medical attention immediately.**
INHALATION	Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if breathing has stopped. Keep person warm and quiet. Get immediate medical attention.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. **Get medical attention immediately.**
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 wash before reuse.
NOTE TO PHYSICIAN	Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in Clinical Toxicology of Commercial Products, authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	Not determined	FLAMMABLE LIMITS	Not established
EXTINGUISHING MEDIA	Use water fog, alcohol foam, dry chemical or carbon dioxide.		
SPECIAL FIRE FIGHTING PROCEDURES	Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including positive pressure self-contained breathing apparatus. Cool fire-exposed containers with water to prevent pressure build-up or explosion.		
FIRE AND EXPLOSION HAZARDS	Do not spray near open flame. Keep at room temperature. Closed containers may explode (due to pressure build-up) when exposed to extreme heat.		

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. **Remove all ignition sources before beginning cleanup; use personal protective equipment.**

SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Do not smoke while spraying. Use only as directed; intentional misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.
STORAGE PRECAUTIONS	Store upright in a cool dry place. Do not store in direct sunlight, near open flames or at temperatures exceeding 120 deg. F. Exposure to heat or prolonged exposure to sun may cause bursting.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Do not inhale vapors. Avoid eye contact. Observe label precautions. Remove and launder contaminated clothing before re-use.
ENGINEERING CONTROLS	Local exhaust ventilation may be necessary during prolonged use conditions. **Facilities using this product must be equipped with an eyewash station.**

PERSONAL PROTECTIVE EQUIPMENT

X	**RESPIRATOR**	Recommended; use NIOSH approved acid gas respirator, such as 3M # 9915
X	**GOGGLES / FACE SHIELD**	**Required;** goggles should be chemical splash type
X	**APRON**	Recommended; use PVC or Neoprene to protect skin and clothes during use
X	**GLOVES**	**Required;** PVC, Neoprene or Nitrile acceptable
	BOOTS	Not necessary

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White aerosol foam	BOILING RANGE	Not established
ODOR	Lemon fragrance	FREEZING POINT	Not established
pH	13.5 (100% concentrate)	VAPOR PRESSURE	Not established
SPECIFIC GRAVITY	0.990	VAPOR DENSITY	Heavier than air
SOLUBILITY IN WATER	Not established	EVAPORATION RATE	Faster than ether

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		**STABLE**	X		**UNSTABLE**	
CONDITIONS TO AVOID	Open flames or electrical arcs.					
INCOMPATIBILITY	Avoid contact with strong mineral acids and strong oxidizing agents (including bleach).					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Carbon monoxide and Carbon dioxide.					
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	Chronic overexposure may result in permanent brain and nervous system damage.

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		**CONSIDERED BIODEGRADABLE**	X		**NOT BIODEGRADABLE**	
BOD / COD 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. Do not puncture or incinerate cans. Discard empty cans in trash pickup; do not place in home-type garbage compactor.								
RCRA CLASSIFICATION	Hazardous, ignitable D001								
RECYCLE CONTAINER		**YES**	X		**CODE**	Steel can		**NO**	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		**HAZARDOUS**	X		**NOT HAZARDOUS**	
DESCRIPTION	CONSUMER COMMODITY, ORM-D					
SYSCO HM CODE	None					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
	KOSHER	
X	**SARA TITLE III MATERIAL**	Sodium hydroxide **(Sec. 304)**; Diethylene glycol butyl ether **(Sec. 313)**
	USDA AUTHORIZED	
X	**CANADA WHMIS**	Controlled Product, Class A – Compressed Gas

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

3	**BLUE**	HEALTH HAZARD
4	**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.