



MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|--------------|----------------------------|------|------------|
| PRODUCT NAME | Oven Cleaner (aerosol gel) | PACK | 6 / 18 oz. |
| PRODUCT CODE | 4110516 | | |

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|------------|----------|
| ISSUE DATE | 02-25-02 |
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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

| <u>HAZARDOUS COMPONENT</u> | | <u>EXPOSURE LIMITS</u> | | | | |
|---|------------|------------------------|-----------------|-----------------|-----------------------------|--|
| * -- (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 monobutyl 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 | |
| | | | | | | |
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* -- 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

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| 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

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| 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 <u>Clinical Toxicology of Commercial Products</u> , 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

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| 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. |
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SECTION 7 -- HANDLING AND STORAGE

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| 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

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| 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

| | | |
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| X | RESPIRATOR | Required; 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 | Clear colorless gel | BOILING RANGE | Not established |
| ODOR | Lemon fragrance | FREEZING POINT | Not established |
| pH | 13.4 (100% concentrate) | VAPOR PRESSURE | Not established |
| SPECIFIC GRAVITY | 0.950 | 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 (Section 304) |
| | USDA AUTHORIZED | |
| X | CANADA WHMIS | Controlled Product, Class E - Corrosive Mat. & Class A - Comp. Gas |

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

| | | |
|----|--------|----------------|
| 3 | BLUE | HEALTH HAZARD |
| 4 | RED | FLAMMABILITY |
| 1 | YELLOW | REACTIVITY |
| -- | WHITE | SPECIAL HAZARD |

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