



HMIS RATINGS:  
 Health: 3  
 Flammability: 0  
 Reactivity: 1  
 Personal Protection: C

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: LYNX OVEN & GRILL CLEANER  
 Chemical Family: Alkali Cleaner  
 Company Identification: APPLE PRODUCTS, INC.  
 P.O. BOX 16247  
 ATLANTA, GA.

Emergency Telephone Number: (800)535-5053  
 Date Prepared: JAN 17, 2003  
 MSDS Number: LX-2109

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

CAS NUMBER	CHEMICAL NAME	% BY WGT.	OSHA PEL/ACGIH TLV	SARA 302/304(1)*	SARA 313 (2)*	STATE INFO(3) (4)	CERCLA 1000 lb
1310-73-2	Sodium Hydroxide	< 9.0	2 mg/m3 / 2 mg/m3	NO	NO	YES(4)	1000 lb
111-90-0	Diethylene Glycol Monoethyl Ether	< 2.0	25 ppm / 25 ppm	NO	YES	NO	None

\* See Section 15 for more information                      n/e = none established - n/a = not applicable

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. Corrosive. Can cause minor irritation to severe burns and tissue damage on exposed areas of body. Avoid breathing vapors or mists. Harmful or fatal if swallowed. Clear to hazy liquid; colorless with glycol odor.

Primary Route of Entry: Eye contact, skin contact, inhalation

Acute/Potential Health Effects:

EYES: Contact can cause severe damage including burns and blindness.

SKIN: Prolonged or repeated contact, even to dilute concentrations, can cause a high degree of tissue destruction.

INHALATION: Breathing of this material is harmful. Exposure to vapor, mist or liquid can produce burns of the respiratory tract.

INGESTION: Harmful or fatal if swallowed. Can cause burns of the mouth, throat and stomach.

**Section 3: HAZARDS IDENTIFICATION - continued:**

Chronic / Long Term Effects: No data.

Signs and Symptoms of Overexposure: Contact of any kind will result in damage to skin, eyes, and gastro-respiratory tract.

Target Organ Effects: Lungs and upper respiratory tract, gastrointestinal tract, eyes, skin

Reproductive/Developmental Information: No data.

Carcinogenic Information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

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**Section 4: FIRST AID MEASURES**

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Seek medical attention immediately. Do not induce vomiting. If victim is alert, give 1/2 to 1 glass of water. Call a poison control center or doctor for treatment advice.

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**Section 5: FIRE FIGHTING MEASURES**

Flash Point: No flash by standard methods

Extinguishing Media: Dry chemical, CO2 or foam is recommended.

Special Fire Fighting Instructions: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Prevent runoff from entering drains, sewers or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

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**Section 7: HANDLING AND STORAGE**

Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes, on skin or clothing. Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

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**Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION**

Eye Protection: Wear safety glasses or goggles and face shield. Remove contact lenses.

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Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, vinyl or neoprene), clothing and boots.

Respiratory Protection: When respiratory protection is required, use an organic vapor & particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements.

Engineering Controls: Good general ventilation required.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odor: Clear to hazy liquid; colorless; glycol odor  
pH Concentrate: 12.5  
Solubility in Water: Complete  
Vapor Pressure [mmHg]: n/e  
Evaporation Rate (Butyl Acetate=1): n/e  
Vapor Density [Air=1]: n/e  
Specific Gravity [H2O=1]: 1.09  
Boiling Point: > 212 F

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**Section 10: REACTIVITY**

Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to avoid: High temperature  
Hazardous Decomposition Products: None  
Incompatibility: Acids, certain metals (aluminum)

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**Section 11: TOXICOLOGICAL INFORMATION**

Sodium Hydroxide: Acute Dermal LD50 - rabbit: 1350 mg/kg. Primary Skin Irritation - rabbit: severe. Primary Eye Irritation - rabbit: severe.

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**Section 12: ECOLOGICAL INFORMATION**

Sodium Hydroxide: Aquatic Ecotoxicity: Fish (fathead minnow): LC50 (96 hr): 179 mg/L

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**Section 13: DISPOSAL CONSIDERATIONS**

Waste Disposal Method:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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**Section 14: TRANSPORTATION INFORMATION**

D.O.T. Shipping Name / Class:

Corrosive Liquid, Basic, Inorganic, N.O.S., 8, UN 3266, II

(Contains Sodium Hydroxide)

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**Section 15: REGULATORY INFORMATION**

U.S. Federal Regulations:

TSCA (Toxic Substances Control Act): The intentional ingredients of product are listed.

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Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic ( ) Fire ( ) Pressure ( ) Reactive ( ) Not Applicable ( )

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s)  
D002

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.

(3) California proposition 65 (Safe Drinking Water &amp; Toxic Enforcement Act of 1986)

(4) Massachusetts (Hazardous Substance Disclosure by Employers)

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**Section 16: OTHER INFORMATION**

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.