

MATERIAL SAFETY DATA SHEET

MSDS

MSDS 826

ITEM NUMBER: C-826

Version 3 Effective Date 10/30/05 Supercedes 4/12/01 Prepared by: Regulatory Compliance

Section (s) Revised: HMIS, II, III, IV, V, VI, VII, VIII, IX

IDENTITY (As Used On Label and List): OVEN CLEANER

EMERGENCY MEDICAL Telephone# 1-866-836-8855 (24 HRS)

Outside the U.S.A. Call 952-852-4646

PRODUCT HAZARD RATINGS (NFPA): - Health = 3, Fire =2, Reactivity =0, Protective Equipment = B

(Rating Legend: 4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal, * = Chronic Hazard)

SECTION I

CLAIRE MANUFACTURING

TELEPHONE NUMBER FOR INFORMATION: 1-800-252-4731

500 VISTA AVE.

DATE PRINTED: December 23, 2005

ADDISON, IL 60101

NAME OF PREPARER: Regulatory Compliance

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	SARA Title III SEC 313	ACGIH TLV-TWA/STEL	OSHA PEL-TWA//STEL	% By Wt.
Sodium Hydroxide (CAS# 1310-73-2)	NO	2mg/m3/ NE	2mg/m3/NE	5-10
2-(2-Butoxyethoxy) ethanol (112-34-5)	YES	NE/NE	NE/NE	5-10-
Monoethanolamine (CAS# 141-43-5)	NO	3ppm/6ppm	3ppm/NE	1-5
Liquified Petroleum Gas (CAS# 68476-86-8)	NO			
Propane (74-98-6)	NO	1000 ppm/NE	1000ppm/NE	-
n-Butane (106-97-8)	NO	1000 ppm/NE	NE/NE	-

Balance of ingredients are non-hazardous or below reportable levels.

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA **Vapor Pressure (psig)(± 5):** 146 @ 130°F / 66 @ 70°F**Specific Gravity – calculated (H2O=1):** 1.0082 ± 0.005 **pH:** 13-14 **Solubility/Water:** Soluble**Vapor Density (AIR=1):** ND **Evaporation Rate (Ether=1):** ND**Appearance and Odor:** Caustic blue gel packaged as an aerosol spray.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product is not required to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45.**Flashpoint:** <0°F (Propellant); >214°F (Concentrate)**Flammable Limits - % Volume In Air (Propellant):** LEL: 1.9% (propellant) UEL: 9.8% (propellant)**Extinguishing Media:** Use foam, carbon dioxide or dry chemical.**Special Fire Fighting Procedures:** Wear approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Protect against bursting cans**Unusual Fire and Explosion Hazards:** Contents under pressure. Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F(48.9°C) may cause cans to burst.

SECTION V - REACTIVITY DATA

Stability: Stable **Hazardous Polymerization:** NA**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide.**Incompatibility/Conditions to Avoid:** Avoid strong oxidizing agents, acids, metals and sugars. Keep away from heat, sparks, flames and other sources of ignition. Dropping containers may cause bursting.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: Y Eyes: Y Skin: Y Ingestion: N

HAZARDS IDENTIFICATION:

Eye: Causes severe irritation and burns. Permanent corneal damage is possible.**Skin:** Causes severe irritation and burns.**Inhalation:** Breathing vapors or mists may cause severe irritation of the mucous membranes and upper respiratory tract.

Excessive overexposure to propellant may cause headache, dizziness, depressed respiration and heart rate, heart rhythm irregularities, shortness of breath, unconsciousness or death.

Ingestion: Ingestion is an unlikely route of exposure for aerosol products. May cause severe gastrointestinal irritation or burns, nausea, vomiting, abdominal pain and shock. Large amounts swallowed may be fatal.**AGGRAVATED MEDICAL CONDITIONS:** Persons with pre-existing skin, respiratory and cardiovascular disorders.**CHRONIC EXPOSURE:** Prolonged overexposure to monoethanolamine may cause liver and kidney damage.

EMERGENCY AND FIRST AID PROCEDURES:

Eye: Rinse thoroughly with water for at least 15 minutes, holding the eye lids open to be sure the material is washed out. Get immediate medical attention.

Skin: Immediately remove contaminated clothing. Flush skin thoroughly with water for at least 15 minute, until all traces of the chemical are removed. Get immediate medical attention.

Inhalation: Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

Ingestion: Ingestion is an unlikely route of exposure for aerosol products. If ingestion occurs rinse mouth with a small amount of water. Immediately call local poison control center or go to an emergency department. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious or drowsy person.

CARCINOGENICITY:

None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

TOXICOLOGICAL INFORMATION:**2-Butoxyethanol:**

Chronic exposure may affect the liver and kidneys and may increase red blood cell hemolysis, which could cause jaundice, fatigue, shortness of breath, and rapid heart rate.

LD50 Oral (Rat): >2000 mg/kg

LD50 Dermal (Rabbit): 220 mg/kg

LC50 Inhalation (Rat): 400 ppm/4 hr.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Releases or Spills: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to Depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations. Disposal regulations may be different for each state and/or locality.

Handling And Storing: Prevent contact with eyes, skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Do not taste or swallow. Do not take internally. Use only with adequate ventilation. Keep away from heat sources. Contents under pressure. Do not puncture or incinerate container.

Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Store in a cool, well ventilated area at temperatures below 120°F (48.9°C). Do not store in direct sunlight. Store away from incompatible materials. Do not expose to direct sunlight or store at temperatures above 120°F (48.9°C). Store as **Level 1 Aerosol (NFPA 30B)**.

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

SECTION VIII - EMPLOYEE PROTECTION

Respiratory Protection (Type): None needed under normal use conditions. For operations where the occupational exposure limit may be exceeded, a NIOSH approved organic vapor/dust/mist respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with OSHA 1910.134, ANSI Z88.2 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Ventilation: General ventilation should be adequate for normal use. For operations where the occupational exposure limit may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

Protective Gloves: Impervious gloves are required.

Eye Protection: Wear chemical safety goggles to prevent eye contact.

Other Protective Clothing or Equipment: Protective clothing if needed to avoid skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working ar

SECTION IX - OTHER REGULATORY CONTROLS

FEDERAL:

Toxic Substance Control Act (TSCA): Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

STATE RIGHT-TO-KNOW:**Pennsylvania/New Jersey Right-To-Know (Chemical and CAS No.):**

Chemical	CAS Number
Butyl Carbitol	112-34-5
Sodium Hydroxide	1310-73-2
Monoethanolamine	141-43-5
Liquefied Petroleum Gas	68476-86-8

SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)

Shipping Name: Consumer Commodity Hazard Class: ORM-D

NG-- Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.

Effective Date 10/30/05 Supersedes 4/12/01 Prepared by: Regulatory Compliance