

MATERIAL SAFETY DATA SHEET
(MSDS)

MSDS824 824 824

ITEM NUMBER: 824 - HEAVY DUTY FOAM OVEN CLR 20 OZ

IDENTITY (As Used On Label and List): HEAVY DUTY FOAM OVEN CLR 20 OZ

EMERGENCY MEDICAL Telephone# 1-800-228-5635 X 009 (24 Hrs) Outside of the U.S.A. Call 651-632-9275

PRODUCT HAZARD RATINGS (NFPA): Health = 3, Fire = 1, Reactivity = 1, Protective Equipment = PB
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

SECTION I

CLAIRE MANUFACTURING COMPANY
500 VISTA
ADDISON

TELEPHONE NUMBER FOR INFORMATION : 630-543-7600

DATE PREPARED : 10/20/99

IL 60101

NAME OF PREPARER : Jodi Gallagher

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	Exposure Limits (LD50-Oral Rat)	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
Butyl Carbitol (CAS #112-34-5)	4 g/kg (dermal rabbit)	YES	NE	NE	1-5
Monoethanolamine (CAS #141-43-5)	2100mg/kg	NO	3ppm	3ppm	1-5
Sodium Hydroxide (CAS #1310-73-2)	140-340mg/kg	NO	2mg/m3	2mg/m3	25-30
Nonylphenol polyethylene glycol ether (CAS # 9016-45-9)	3500-4500mg/kg	YES	1ppm	1ppm	1-5
Refined Petroleum Gas (CAS# 68476-85-7)	NA	NO	1000ppm	1000ppm	2-5

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard.
Components Listed As A Suspected Carcinogen: None

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 80+/-10 Specific Gravity (H2O=1):
Solubility/Water: partial Vapor Density (AIR=1): >1 Evaporation Rate (Ether=1): <1
Appearance and Odor: Opaque white.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability: This product is considered to be nonflammable as described in 16CFR 1500.45.
Flammable Limits - % Volume In Air: LEL: 1.8 UEL: 9.2
Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.
Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.
Unusual Fire and Explosion Hazards: At elevated temperatures containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

SECTION V - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: NA
Incompatibility (Materials to avoid): Acids, metals such as: aluminum, zinc, tin, etc.
Hazardous Decomposition Products: Generates hazardous mist at boiling point of liquid. Flammable hydrogen gas will be liberated upon contact with various metals.
Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

***** SECTION VI - HEALTH HAZARD DATA *****

Route(s) of Entry: Inhalation: X Eyes: X Skin: X Ingestion: X
Medical Conditions Generally Aggravated by Exposure: Preexisting skin or eye disorders may be aggravated by exposure to this product.

Emergency and First Aid Procedures: Eye Contact: Causes severe burns and destruction of tissue. Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention immediately. Skin Contact: Irritating to skin. May cause burns. Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Inhalation: Corrosive-Inhalation of mists can cause damage to the upper respiratory tract and to the lung tissue depending upon the extent of exposure. Ingestion: Get medical attention immediately. May cause serious damage to the mouth, esophagus, stomach and other tissues in which contact is made.

***** SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE *****

Releases or Spilled: 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

Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not expose to direct sunlight or store at temperatures above 130F (54C). Do not puncture or incinerate containers. 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 required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

Ventilation: Local exhaust is adequate under normal conditions, mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves*

Eye Protection: Chemical safety glasses are recommended*.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals.

Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

***** SECTION IX - OTHER REGULATORY CONTROLS *****

Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

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

Shipping Name: Consumer Commodity Hazard Class: ORM-D

UN NO.:

NG-- Negligible NA-- Not Applicable NE-- Not Established 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.

As of: May 7, 1998