

MATERIAL SAFETY DATA SHEET
MSDS

ITEM NUMBER: 873 – GERMICIDAL CLEANER

VERSION 3 EFFECTIVE DATE: 11/15/05 SUPERCEDES: 04/04/03 PREPARED BY: Regulatory Compliance

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

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

Emergency Medical Telephone Number 1-866-836-8855 (24 HRS) Outside the U.S.A. Call 952-852-4646

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

(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

SECTION I

CLAIRE MANUFACTURING
500 VISTA AVE.
ADDISON, IL 60101

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

DATE PRINTED: April 28, 2006

NAME OF PREPARER: Regulatory Compliance

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	CAS #	SARA Title III	ACGIH	OSHA	% By Wt.	
		SEC 313	TLV/TWA	PEL		
2 Butoxyethanol	111-76-2		Yes	25 ppm/NE	25ppm/NE	1-10
Tetrasodium salt of Ethylenediaminetetraacetic Acid	64-02-8		No	NA / NA	NA / NA	1-10
N-alkyl-N,N-dimethyl-N-benzylammonium chloride	68391-01-5		No	NE / NE	NE / NE	0.1-1.0
N-alkyl-N,N-dimethyl-N-ethylbenzylammonium chloride	68956-79-6		No	NE / NE	NE / NE	0.1-1.0
Liquified Petroleum Gas Mixture	68476-86-8		No	See below ingredient data		1-5
Propane	74-98-69		No	1000 ppm/ NE	1000 ppm/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 psig):** 105-110 @ 130°F / 50-55 @ 70°F**Specific Gravity – calculated (H20=1):** 0.9790 ± 0.005 **pH:** Approx. 12.32**Solubility/Water:** Miscible **Vapor Density (AIR=1):** ND **Evaporation Rate (Ether=1):** ND**Appearance and Odor:** Clear to hazy yellowish aerosol spray with fragrant odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product does not need to be labeled as flammable as described in 40 CFR 156.10.**Flashpoint:** <0°F (Propellant); ≥220°F (Concentrate)**Flammable Limits - % Volume In Air (Propellant):** LEL: 1.9 UEL: 9.5**Extinguishing Media:** Carbon dioxide or dry chemical. Foam.**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:** Fire fighters and others who may be exposed to the products of Combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing. At elevated temperatures (over 54C-130F) 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):** Strong oxidizers, heat and open flame.**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide and additional toxic chemicals may be formed in small amounts.**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: Y **Eyes:** Y **Skin:** Y **Ingestion:** N**HAZARDS IDENTIFICATION:****EYES:** May cause moderate irritation.**SKIN:** Prolonged or repeated contact may cause irritation.**INHALATION:** High concentration or prolonged exposure can be irritating to eyes, nose and respiratory tract. High concentration may cause dizziness, drowsiness, headaches, incoordination, anesthetic or narcotic effects, and other types of Central Nervous System depression.**INGESTION:** Exposure by ingestion is unlikely since an aerosol, but if occurs: Irritating to the mouth, throat and stomach. May cause nausea, vomiting, pain, and stomach upset (e.g., diarrhea).**AGGRAVATED MEDICAL CONDITIONS:** May aggravate pre-existing eye, skin, respiratory, kidney, blood conditions.**CHRONIC EXPOSURE:** May affect the Liver. Kidneys. Nervous system. Lungs and/or respiratory system. Heart and/or circulatory system. Blood and/or blood-forming organs. Mucous membranes.**EMERGENCY AND FIRST AID PROCEDURES:****EYES:** Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention.**SKIN:** Wash with soap and plenty of water.**INHALATION:** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.**INGESTION:** In the unlikely event of swallowing: Get immediate medical attention. Do NOT induce vomiting unless directed by medical personnel. Rinse mouth with water and give another cupful to

drink. Never give anything by mouth to an unconscious person.

CARCINOGENICITY:

	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol	A3	No	No	No

TOXICITY INFORMATION:

Product:

This product was tested for Acute Oral Toxicity, Acute Dermal Toxicity, Acute Inhalation Toxicity, Primary Eye Irritation, Primary Skin Irritation, and Skin Sensitization with the results listed below. A single oral administration of >5000 mg/kg to rats temporarily produced hamaturia (blood in the urine) and failure of defecation.

LD50 Oral (Rat):	>5000 mg/kg
LD50 Dermal (Rabbit):	>2000 mg/kg
LC50 Inhalation (Rat):	>3.4 mg/L (>17.1 mg/L/4hr)
Primary Irritation (Eye):	Moderate
Primary Irritation (Skin) Score Draize Method:	1.0 (Not a primary irritant)
Skin Sensitization:	None produced

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):	>470 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 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 puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). 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: General ventilation is adequate under normal conditions; mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves are recommended – consult glove manufacturer to determine the proper type for a specific operation.

Eye Protection: Safety glasses are recommended.

Other Protective Clothing or Equipment: Wearing of impervious clothing to prevent skin contact is optional.

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**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.):**

Deionized Water (7732-18-5)
 2-Butoxyethanol (111-76-2)
 Tetrasodium salt of Ethylenediaminetetraacetic Acid (64-02-8)
 N-alkyl-N,N-dimethyl-N-benzylammonium chloride (68391-01-5)
 N-alkyl-N,N-dimethyl-N-ethylbenzylammonium chloride (68956-79-6)
 Liquefied Petroleum Gas (68476-86-8)

CANADA:**Domestic Substances List:**

Ingredients of this product are listed.

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.

VERSION 3 EFFECTIVE DATE: 11/15/05 SUPERCEDES: 04/04/03 PREPARED BY: Regulatory Compliance