

MATERIAL SAFETY DATA SHEET
MSDS

EP 1309

ITEM NUMBER: EP-1309

VERSION 3 EFFECTIVE DATE: 10/26/08

Section(s) Revised: HMIS, II, III, VI, IX

IDENTITY (As Used On Label and List): Swell Germicidal All Purpose Cleaner

Emergency Medical Telephone Number 1-866-836-8855 (24 HRS)

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

Epic Industries

TELEPHONE NUMBER FOR INFORMATION: 1-800-221-3742

1007 Jersey Ave.,

New Brunswick, NJ 08901

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	CAS #	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
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
Liquified Petroleum Gas Mixture	68476-86-8	No	See below ingredient data		1-10
Propane	74-98-69	No	1000 ppm/ NE	1000 ppm/NE	(48-55)
n-Butane	106-97-8	No	1000 ppm/ NE	NE / NE	(45-49)

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

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 125 @ 130F / 44 @ 70F

Specific Gravity, calculated (H2O=1): 0.9785 ± 0.005 pH: 12.33 Solubility/Water: Moderate

Vapor Density (AIR=1): ND Evaporation Rate (Ether=1): ND

Appearance and Odor: Hazy, yellowish aerosol spray with floral odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: This product is considered to be non flammable as described in 16CFR 1500.45.

Flammable Limits - % Volume In Air (Propellant): 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 (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: Can cause dizziness, headaches, shortness of breath and incoordination. Nausea, vomiting and stomach upset can occur. INGESTION: Exposure by ingestion is unlikely since an aerosol, but if occurs: Can cause dizziness, faintness, headaches, and incoordination.

AGGRAVATED MEDICAL CONDITIONS: May aggravate pre-existing skin, nervous system, kidney conditions.

CHRONIC EFFECTS/TARGET ORGANS: Liver. Kidneys. Nervous system. Lungs and/or respiratory system. Eyes. Skin. 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. INGESTION: Get immediate medical attention. Do NOT induce vomiting unless

directed by medical personnel. Never give anything by mouth to an unconscious person.

	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:

2-butoxyethanol may affect the liver and kidneys and may increase red blood cell hemolysis.

LC50 Inhalation (Rat):	486 ppm (male); 450 ppm (female)
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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: 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

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,N-Dimethyl-1-hexadecylamine-N-oxide	7128-91-8
Liquefied petroleum gas mixture	(68476-86-8)
Propane	74-98-6
n-Butane	106-97-8

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.

APPROVAL

JOHN YOUSSEF
NAME

TECHNICAL DIRECTOR
TITLE

10/26/08
DATE