

MATERIAL SAFETY DATA SHEET

Total Solutions
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GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

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I - Product Identification

Foaming Lemon Scented Cleaner/Disinfectant

PRODUCT CODE: 8422

CHEMICAL FORMULATION: Pressurized foaming disinfectant cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 4

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
2-Butoxyethanol	1.00-3.00	25 ppm (skin)	25 ppm (skin)	Y	N	Y	111-76-2
Diethylene Glycol Ethyl Ether	1.00-3.00	N/E	N/E	Y	N	Y	111-90-0
Butane (Propellant)	1.00-10.0	800 ppm	800 ppm	N	N	N	106-97-8
Propane (Propellant)	1.00-10.0	1000 ppm	1000 ppm	N	N	N	74-98-6
Isobutane (Propellant)	1.00-10.0	N/E	800 ppm	N	N	N	75-28-5

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): 212

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR = 1): N/D

SOLUBILITY IN WATER: Complete

APPEARANCE AND ODOR: Clear liquid; lemon fragrance.

SPECIFIC GRAVITY (WATER = 1): 1.00

VOC CONTENT (% by weight): N/D

EVAPORATION RATE (WATER = 1): N/D

pH: 11.0-12.0

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None

(TEST METHOD): TCC

NFPA 30B Rating: 1

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A

LOWER: N/A

EXTINGUISHING MEDIA: Water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure. Exposure to temperatures above 120° F may cause bursting.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong acids and oxidizers.

CONDITIONS TO AVOID: Excess heat and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate to severe irritation and possible tissue damage to eyes.

IF ON SKIN: Moderate irritation, defatting and dermatitis with prolonged or repeated exposure.

IF SWALLOWED: Gastrointestinal irritation, nausea, cramps, diarrhea.

IF INHALED: Irritation to upper respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Remove contaminated clothing and wash with soap and water.

IF SWALLOWED: Contact physician or poison control center immediately. Give affected person large quantities of water followed by several glasses of milk. Induce vomiting. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air. If irritation persists, obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Extinguish all sources of ignition. Soak up material with inert absorbent material and place in a labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Avoid breathing spray mist. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat, sparks or open flame. Wash hands before eating or smoking. Do not store at temperatures above 120 F.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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