



Material Safety Data Sheet

I Product: FORMULA 409® ALL PURPOSE CLEANER

Description: GREEN LIQUID

Other Designations	Distributor	Emergency Telephone Nos.
All Purpose Cleaner Misty Breeze Fragrance Lemon Fresh Fragrance	K-Chem, Inc. P.O. Box 530632 Birmingham, AL 35253	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

II Health Hazard Data

CAUTION: EYE IRRITANT. Avoid eye and prolonged skin contact. Do Not ingest

FIRST AID:

EYE CONTACT: Immediately flush eyes with plenty of water. If irritation persists, see a doctor.

SKIN CONTACT: Wash with water. Seek medical attention if irritation develops or persists.

INGESTION: Drink a glass full of water. Call Physician. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.

INHALATION: If breathing problems develop remove to fresh air. Seek medical attention if respiratory irritation develops or breathing becomes difficult.

KEEP OUT OF REACH OF CHILDREN

III Hazardous Ingredients

Ingredients	Concentration	Worker Exposure Limit
Alkyl (C ₁₂ 40%; C ₁₄ 50% C ₁₆ 10%) dimethyl benzyl Ammonium chloride CAS# 68424-85-1	0.3%	Not Established
Ethylene Glycol Monobutyl Ether CAS # 111-76-2	0.5-5%	25 ppm TLV-TWA 25 ppm PEL

Substance can be absorbed through the skin and may contribute to overall exposure.

None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.

TLV - TWA - Threshold Limit Value - Time Weighted Average.
Source: ACGIH 1985-86.

PEL - Permissible Exposure Limit. Source: OSHA

IV Special Protection and Precautions

Hygienic Practices: Wear safety glasses. With repeated or prolonged use, wear gloves.

Engineering Controls: Use general ventilation to minimize exposure to vapor or mist.

Work Practices: Minimize skin contact and inhalation of vapor or mist.

Not recommended for use on soft vinyl, varnishes or aluminum. If sprayed on these surfaces, rinse and wipe dry immediately.

V Transportation and Regulatory Data

U.S. DOT Hazard Class: Not restricted

U.S. DOT Proper Shipping Name: Not restricted.

EPA - SARA Title III/CERCLA:
Bottled product is not reportable under Sections 311/312; contains chemicals regulated under Section 313 (ethylene oxide = trace, glycol ethers < 5%); and contains chemicals (glycol ethers < 5%, ethylenediaminetetracetic acid < 1.0%, ethylene oxide = trace, and sodium hydroxide < 0.5%) which are regulated under Section 304/CERCLA.

TSCA Status: All components of this product are on the TSCA Inventory

VOC Content: 48 g/L (EPA Method 24)

VI Spill Procedures/Waste Disposal

Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.

VII Reactivity Data

Stable under normal use and storage conditions.

VIII Fire and Explosion Data

Flash Point: >200F

Fire Extinguishing Agents: Foam, Dry Chemical, Water, CO₂

Unusual Fire and Explosion Hazards: Products of combustion are toxic

IX Physical Data

pH.....12.0
Solubility in Water..... complete
Specific Gravity (H₂O=1).....1.015