



Material Safety Data Sheet

I Product: FORMULA 409® ORANGE POWER

Description: CLEAR YELLOW TO ORANGE LIQUID WITH FRESH ORANGE AROMA

Other Designations	Distributor	Emergency Telephone Nos.
	K-Chem, Inc. PO Box 530632 Birmingham, AL 53253	For Medical Emergencies, call (800) 446-1014 For Transportation Emergencies, call Chemtrec (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
Isopropanol CAS# 67-63-0	< 2.0%	400ppm/500ppm ¹ 400ppm ²

¹ 1998 ACGIH, TLV-TWA/STEL
TLV-TWA: Threshold Limit Value – Time Weighted Average
STEL: Short Term Exposure Limit

² PEL: OSHA Permissible Exposure Limit

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

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, aluminum or polystyrene. If sprayed on these surfaces, rinse and wipe dry immediately.

V Transportation and Regulatory Data

DOT: Not restricted per 49 CFR 173.120(a)(3) and Appendix H

IMDG: Not restricted per IMDG Code Page 0016 Paragraph 5.1.3.1.1

IATA: Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5

EPA-SARA Title III/CERCLA: This product contains chemicals (ethylenediaminetetraacetic acid <1.0% and potassium hydroxide < 0.05%) regulated under Section 304/CERCLA.

TSCA: All components of this product are on the TSCA inventory.

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: 113°F

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

IX Physical Data

pH.....10.6

Solubility in Water..... complete

Specific Gravity.....0.9975

