

HMIS RATINGS:  
Health: 2  
Flammability: 1  
Reactivity: 0  
Personal Protection: G

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**Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Trade Name: K-Chem 2002 Safety Solvent  
Chemical Family: n-Propyl Bromide  
Company Identification: K-Chem, Inc.  
P.O. BOX 530632  
Birmingham, AL 35253

Emergency Telephone Number: (800)255-3924  
Date Prepared: January 5, 2007  
MSDS Number: S0100A  
MFGD. BY: K-Chem, Inc.  
P. O. Box 530632  
Birmingham, AL 35253

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**Section 2: COMPOSITION, INFORMATION ON INGREDIENTS**

CAS NUMBER	CHEMICAL NAME	% BY WGHT.	OSHA PEL/ACGIH TLV	SARA 302/304(1)*	SARA 313 (2)*	STATE INFO(3)(4)
106-94-5	n-Propyl Bromide	98-100	n/e / n/e	NO	NO	NO
124-38-9	Carbon Dioxide Propellant					

\* See Section 15 for more information

n/e = none established - n/a = not applicable

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**Section 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

DANGER. Harmful or fatal if swallowed. Aspiration hazard. Avoid breathing vapors. Can cause nervous system depression. Vapor may be flammable. Keep away from heat and flame. Contents under pressure. Do not puncture or incinerate container.

Primary Route of Entry: Skin contact, inhalation

Acute/Potential Health Effects:

EYES: May cause mild to moderate eye irritation. Symptoms include stinging, tearing and redness.

SKIN: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying of skin and skin burns.

INHALATION: High vapor/aerosol concentrations (>1000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage.

INGESTION: Harmful or fatal if swallowed. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

## Section 3: HAZARDS IDENTIFICATION - continued:

Chronic / Long Term Effects: Long term overexposure may cause adverse effects in the liver, respiratory system, kidney, reproductive system, and central nervous system.

Signs and Symptoms of Overexposure: Prolonged dermal contact may result in contact dermatitis. Exposure to high doses may cause depression of the central nervous system.

Target Organ Effects: liver, kidney

Reproductive/Developmental Information: No data.

Carcinogenic Information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

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## Section 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Seek medical attention immediately. Do not induce vomiting. Give person two glasses of water if able to swallow. Contact poison control center or doctor for treatment advice. Do not leave individual unattended.

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## Section 5: FIRE FIGHTING MEASURES

Flash Point: No flash by standard methods

Extinguishing Media: Dry chemical, CO2 or foam is recommended.

Special Fire Fighting Instructions: CAUTION. Contents under pressure. Cool exposed containers with water spray to prevent bursting. SCBA should be used whenever chemical fires are present.

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## Section 6: ACCIDENTAL RELEASE MEASURES

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

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## Section 7: HANDLING AND STORAGE

Do not use or store near heat, sparks or open flame. Exposure to temperatures above 120 F may cause bursting. Do not puncture our incinerate container. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Intentional misuse by deliberately concentrating and inhaling may harmful or fatal. Keep out of reach of children.

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## Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Eye Protection: Wear safety glasses or goggles.

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Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from Polyvinyl alcohol or neoprene).

Respiratory Protection: When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

Engineering Controls: Good general ventilation required.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odor: Clear, colorless spray/mist with slight ethereal odor  
pH Concentrate: n/a  
Solubility in Water: Negligible  
Vapor Pressure [mmHg]: 139 @ 77F  
Evaporation Rate (Butyl Acetate=1): n/e  
Vapor Density [Air=1]: 4.3  
Specific Gravity [H2O=1]: 1.33  
Boiling Point: 160 F

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**Section 10: REACTIVITY**

Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to avoid: High temperature  
Hazardous Decomposition Products: HF Acid, HCl, Phosgene  
Incompatibility: Alkaline materials, Ferric Chloride, Metallic powders

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**Section 11: TOXICOLOGICAL INFORMATION**

Acute Toxicity: Oral route, LD50, rat, >5000 mg/kg; dermal route, LD50, rat, 2000 mg/kg.  
Inhalation, LC50, 4 hrs, rat, 301 mg/ltr.

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**Section 12: ECOLOGICAL INFORMATION**

No data.

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**Section 13: DISPOSAL CONSIDERATIONS**

Waste Disposal Method:

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

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**Section 14: TRANSPORTATION INFORMATION**

D.O.T. Shipping Name / Class:

Consumer Commodity, ORM-D

(Domestic Ground Shipments)

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**Section 15: REGULATORY INFORMATION**

U.S. Federal Regulations:

TSCA (Toxic Substances Control Act): The intentional ingredients of product are listed.

MSDS Number: SO100A

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire ( ) Pressure (X) Reactive ( ) Not Applicable ( )

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s)  
None

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.

- (3) California proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)
- (4) Massachusetts (Hazardous Substance Disclosure by Employers)

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**Section 16: OTHER INFORMATION**

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.