

00863-9330

## SAFETY DATA SHEET

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: KRINK 24 HOUR EMERGENCY TELEPHONE  
CHEMTREC 800-424-9300

ADDRESS: 32 33<sup>rd</sup> Street, #11  
Brooklyn, NY 11232 USA TELEPHONE NO. FOR INFORMATION  
201-657-4112

TELEPHONE: (718) 624-9109 DATE PREPARED: May 15, 2015

IDENTITY: Permanent Paint Marker PRODUCT CLASS: Alcohol Based Marker

ITEM NO.: K-71

COLOR: Silver

### SECTION 2. HAZARDS IDENTIFICATION



**Signal Words:** Danger

**Hazard Statement(s):**

H226: Flammable liquid.

H302: Harmful if swallowed.

H318: Causes Serious eye damage.

H336: May cause drowsiness or dizziness.

**Precautionary Statement(s):**

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P261: Avoid breathing dust/fumes/gas/mists/vapors/spray.

P271: Use only in a well-ventilated area.

P370+P378: In case of fire: Use water spray, carbon dioxide, dry chemical or alcohol foam for extinction.

P303+361+353: If on skin, remove contaminated clothing. Rinse skin with water.

P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so.

### HEALTH HAZARDS

**INGESTION:** Ingestion of significant amounts is extremely unlikely due to product form. This product has low oral toxicity. Swallowing of the liquid contents may cause irritation, nausea, vomiting and diarrhea. The liquid contents are an aspiration hazard. If swallowed, can enter the lungs and may cause pneumonitis.

**EYES:** Contact with the liquid contents may be mildly irritating to eyes. May cause redness and tearing.

**SKIN:** Prolonged and/or repeated contact with the liquid contents may produce mild irritation and defatting with possible dermatitis.

**IHALATION:** Overexposure is very unlikely due to product form. High concentrations may cause nasal and respiratory conditions such as asthma. Intentional abuse may be harmful or fatal.

**SECTION 3.COMPOSITION INFORMATION ON INGREDIENTS**

Ingredient	CAS No.	%
n-Propanol	71-23-8	60-70
Isopropyl Alcohol	67-63-0	5-10
2-butoxyethanol	111-76-2	5-10

**SECTION 4. FIRST AID MEASURES**

**INGESTION:** Ingestion of significant amounts is extremely unlikely due to product form, however, liquid contents are an aspiration hazard. DO NOT induce vomiting. Call physician.

**EYE CONTACT:** Flush thoroughly with water. Get medical attention if irritation persists.

**SKIN CONTACT:** Wash with soap and water. If irritation develops and persists, get medical attention.

**INHALATION:** Inhalation overexposure is very unlikely due to product form. If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

**SECTION 5. FIRE FIGHTING MEASURES**

**FLASH POINT:** 77°F (TCC) ASTM

**D56 FLAMMABLE LIMITS:** LEL 2.1

UEL 13.7

**EXTINGUISHING MEDIA:** Use water fog, dry chemical, carbon dioxide or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing.

**UNUSUAL FIRE/EXPLOSION HAZARDS:** The liquid contents of the pen is a flammable liquid; however, the pen contains a small amount of the liquid, and the contents are released only when pressure is applied to the tip.

The product presents only a minimal fire hazard.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**SPILL RESPONSE:** Large spills of this product are unlikely due to product form. If marking pen leaks, wipe up any free liquid, and place the pen and waste in an appropriate container for disposal. In storage where large numbers of pens may be damaged, eliminate all sources of ignition, ventilate area and collect the pens into a container for disposal. Collect any released liquid with an inert absorbent and place in a container for disposal.

**SECTION 7. HANDLING AND STORAGE**

**HANDLING:** Keep product away from open flame. Keep away from children. Replace cap on pen when not in use. Avoid contact with eyes. Avoid prolonged contact with skin.

**STORAGE:** Store away from heat and flame.

**SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION**

Chemical	Exposure Limit
n-propanol	<b>US. ACGIH TLV</b> TWA: 100 ppm <b>US. OSHA Table Z-1</b> PEL: 200 ppm PEL: 500 mg/m <sup>3</sup>
Isopropyl Alcohol	<b>ACGIH (United States).</b> TWA: 400 ppm 8 hours. <b>ACGIH TLV (United States, 4/2014).</b>

	<b>TWA: 200 ppm 8 hours.</b> <b>STEL: 400 ppm 15 minutes.</b> <b>OSHA PEL 1989 (United States, 3/1989).</b> <b>TWA: 400 ppm 8 hours.</b> <b>TWA: 980 mg/m<sup>3</sup> 8 hours.</b> <b>STEL: 500 ppm 15 minutes.</b> <b>STEL: 1225 mg/m<sup>3</sup> 15 minutes.</b> <b>NIOSH REL (United States, 10/2013).</b> <b>TWA: 400 ppm 10 hours.</b> <b>TWA: 980 mg/m<sup>3</sup> 10 hours.</b> <b>STEL: 500 ppm 15 minutes.</b> <b>STEL: 1225 mg/m<sup>3</sup> 15 minutes.</b> <b>OSHA PEL (United States, 2/2013).</b> <b>TWA: 400 ppm 8 hours.</b> <b>TWA: 980 mg/m<sup>3</sup> 8 hours.</b>
2-butoxyethanol	<b>US ACGIH TLW</b> <b>TWA: 20 ppm</b> <b>OSHA Table Z-1</b> <b>PEL: 50 ppm</b> <b>PEL: 240 mg/m<sup>3</sup></b>

EYE PROTECTION: None should be needed for normal use. Avoid eye contact.

SKIN PROTECTION: None should be needed for normal use. Avoid repeated or prolonged contact with skin.

Wear impervious gloves if needed to prevent possible skin irritation.

RESPIRATORY PROTECTION: None should be needed for normal use.

VENTILATION: No special ventilation is normally required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not usually

necessary. WORK/HYGENIC PRACTICES: Follow label instructions.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	207 °F	SPECIFIC GRAVITY:	<1 @ 70°F
SOLUBILITY IN WATER:	70% – 80%	MELTING POINT:	No Data
VAPOR PRESSURE:	20.8mm-Hg @ 70°F	EVAPORATION RATE:	1.3
VAPOR DENSITY:	2.1	pH:	Not applicable
APPEARANCE & ODOR:	Silver, thin viscosity liquid with alcohol odor.		

#### SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizing agents. Avoid heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

None of the components of this product are listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

#### SECTION 12. ECOLOGICAL INFORMATION

No data is currently available. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

#### SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Discard empty pen in trash. Dispose in accordance with federal, state and local regulations. The liquid contents of the pen meet the definition of hazardous waste under RCRA, D001 (ignitable).

**SECTION 14. TRANSPORT INFORMATION**

U.S. Hazardous Regulation (DOT49CFR): Not regulated per 49 CFR 49 § 173.4

Canadian Transportation of Dangerous Goods (TDG): Not regulated.

IMDG: Not regulated. ICAO/IATA: Not regulated.

**SECTION 15. STABILITY AND REACTIVITY**

U.S. FEDERAL REGULATIONS:

CARCINOGENICITY: NTP: No IARC Monographs: No OSHA Regulations: No

OSHA: Hazardous by definition of Hazard Communications Standard (29 CFR 1910.1200)

SECTION 313 REPORTING REQUIREMENTS: 2-BUTOXYETHANOL

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Not WHMIS controlled (pens) Bulk: Class B2, D2A

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product is not known to contain any material listed under California's Proposition 65.

**SECTION 16. OTHER INFORMATION**

HMIS and NFPA Ratings: 2 (Health), 3 (Flammability), 0 (Reactivity), B (Personal Protection) (4=extreme, 3=high, 2=moderate, 1=slight, 0=least) (B=gloves & safety glasses).

This information provided in the Safety Data Sheet has been compiled from our experience and data with similar commercially available materials and is believed to be accurate. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and disposal procedures.