



# MATERIAL SAFETY DATA SHEET

J. T. Baker Chemical Co., 222 Red School Lane, Phillipsburg, N.J. 08865

## SECTION I - IDENTIFICATION OF PRODUCT

CHEMICAL NAME 1-Propanol	FORMULA $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ ( $\text{C}_3\text{H}_8\text{O}$ )
SYNONYM OR CROSS REFERENCE n-Propanol            Propylic Alcohol n-Propyl Alcohol    Ethyl Carbinol	CAS NO: 71-23-8

## SECTION II - HAZARDOUS INGREDIENTS

MATERIAL	NATURE OF HAZARD
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## SECTION III - PHYSICAL DATA

BOILING POINT 97.2°C.	MELTING POINT -127.0°C.
VAPOR PRESSURE 760 (97.19°C.)    50.2 (40°C.)	SPECIFIC GRAVITY 0.80
VAPOR DENSITY (AIR=1) 2.07	PERCENT VOLATILE BY VOLUME (%) 100
WATER SOLUBILITY Soluble	EVAPORATION RATE (_____ = 1)

### APPEARANCE

Colorless, volatile liquid with alcohol-like odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) 22°C. (open cup)	FLAMMABLE LIMITS	Lower	Upper
		2%	13%
FIRE EXTINGUISHING MEDIA Water, alcohol foam, dry chemical			
SPECIAL FIRE-FIGHTING PROCEDURES			

### UNUSUAL FIRE AND EXPLOSION HAZARD

Dangerous when exposed to heat or flame

## SECTION V - HEALTH HAZARD

THRESHOLD LIMIT VALUE 200 ppm
HEALTH HAZARDS Local irritant. Inhalation causes vertigo, headache, depression of blood pressure, nausea, vomiting, uremia, hepatomegaly, anemia.
FIRST AID PROCEDURES In case of contact, flush eyes with abundant quantities of water. Wash contaminated areas of body with soap and water. Stomach wash, if swallowed followed by laxative.

CHEMICAL NAME

**SECTION VI. REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID Heat, flame
	STABLE	X	

INCOMPATIBILITY (materials to avoid)

Reacts vigorously with oxidizing materials

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

**SECTION VII. SPILL AND DISPOSAL PROCEDURES**

SPILLS

Absorb on paper. Evaporate on a glass or iron dish in hood. Burn the paper.

DISPOSAL

Spray into a furnace, providing local environmental regulations permit.

**SECTION VIII. PROTECTION INFORMATION**

RESPIRATORY PROTECTION (specify type)

Self-contained breathing apparatus

VENTILATION	LOCAL Sufficient to maintain very low conc.	SPECIAL
	MECHANICAL (general) Sufficient ventilation. Explosion-proof system.	OTHER No smoking, open lights

PROTECTIVE GLOVES

Rubber gloves

EYE PROTECTION

Face shield/goggles

OTHER PROTECTIVE EQUIPMENT

Overalls

**SECTION IX. HANDLING AND STORAGE PRECAUTIONS**

STORAGE &amp; HANDLING

Store in a cool, well-ventilated place away from ignition sources and oxidizing materials.

**SECTION X. MISCELLANEOUS INFORMATION**

Date Issued: 3/24/83 Revision: \_\_\_\_\_ Approved by: R. M. Mitchell  
 Manager, Quality Assurance

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The