



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

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 2%	Upper 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

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 & HANDLING

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

SECTION X. MISCELLANEOUS INFORMATIONDate 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