

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 661.00

Revision Date: September 27, 2010

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

n-Propyl Alcohol

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

n-Propyl Alcohol

Synonym: 1-propanol

CAS#: 71-23-8

SECTION 3 — HAZARDS IDENTIFICATION

Colorless liquid; odor similar to ethyl alcohol.

Severe eye and skin irritant. Slightly toxic by ingestion, inhalation and skin absorption. Avoid all body contact.

Flammable liquid.

FLINN AT-A-GLANCE

Health-1

Flammability-3

Reactivity-1

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give 1 to 2 cups of water or milk, followed by a gastric antacid, such as milk of magnesia. Do not induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid.

Flash Point: 59 °F UEL: 13.7% LEL: 2.1% Autoignition Temperature: 824 °F

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

H-1

F-3

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor can.

Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Exposure guidelines: TWA 200 ppm, STEL 250 ppm (OSHA, NIOSH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid; odor similar to ethyl alcohol
Solubility: Soluble in water, ethyl alcohol and ether.
Formula: $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$
Formula Weight: 60.11

Boiling Point: 97 °C
Melting Point: -127 °F
Specific Gravity: 0.804
Vapor Density: 2.1 (Air=1)
Vapor Pressure: 14.9 mmHg @ 20 °C

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with oxidizers, acid chlorides, acid anhydrides, acids, halogens and aluminum.
Shelf life: Indefinite.

SECTION 11 — TOXICOLOGICAL INFORMATION

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|---|--|
| Acute effects: Harmful liquid and fumes, severe eye irritant, nausea, headache, and vomiting. | ORL-RAT LD ₅₀ : 1870 mg/kg |
| Chronic effects: N.A. | IHL-MUS LC ₅₀ : 48 g/m ³ |
| Target organs: Nerves, liver | SKN-RBT LD ₅₀ : 5040 mg/kg |

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.
Flinn Suggested Disposal Method 18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: n-Propanol
Hazard Class: 3, Flammable liquid
UN Number: UN1274
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-746-9), RCRA code D001.

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**