

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 72.00

Revision Date: May 11, 2010

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

n-Amyl 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-Amyl alcohol

Synonym: pentyl alcohol

CAS#: 71-41-0

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless liquid with a banana-like odor.

Slightly toxic by ingestion, inhalation, and skin absorption. Severe body tissue irritant. May be absorbed through the skin. Avoid all body tissue contact.

Combustible liquid. Moderate fire risk.

FLINN AT-A-GLANCE

Health-1

Flammability-2

Reactivity-1

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and 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 at least 15 minutes.

External: Wash continuously with fresh water for at least 15 minutes.

Internal: Give large quantities of water. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class II combustible liquid.

Flash Point: 120 °F UEL: 10% F (100 °F) LEL: 1.2% Autoignition Temperature: 572 °F

Fire Fighting Instructions: Use a 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 the area. Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a 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.

Store in a cool, dry place. 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 exhaust ventilation to keep airborne concentrations low.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid with a banana-like odor.

Solubility: Soluble in alcohol.

Solubility in water: 2.7 g/100 ml.

Formula: $\text{CH}_3(\text{CH}_2)_4\text{OH}$

Formula Weight: 88.15

Specific Gravity: 0.814

Melting Point: -79°C Boiling Point: 137.5°C

SECTION 10 — STABILITY AND REACTIVITY

Avoid heat, sparks, and oxidizing agents.

Shelf life: Good.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, severe irritant.

Chronic effects: N.A.

Target organs: Nervous system, lungs, kidneys.

ORL-RAT LD_{50} : 2200 mg/kgIHL-RAT LC_{50} : N.A.SKN-RBT LD_{50} : 3600 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: Amyl alcohols

Hazard Class: 3, Flammable liquid

UN Number: UN1105

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-752-1), 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.**
