

Isopentyl Alcohol Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Isopentyl Alcohol

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

Chemtrec Emergency Phone Number: (800) 424-9885

Signal Word

DANGER

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 3). Flammable liquid and vapor (H226). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).



Hazard class: Acute toxicity, inhalation (Category 4). Harmful if inhaled (H332). Avoid breathing gas, mist, vapors or spray (P261).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Isopentyl alcohol	123-51-3	$(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{OH}$	88.15	
Synonyms: 3-Methyl-1-butanol; Isoamyl alcohol				

SECTION 4 — FIRST AID MEASURES

Get medical advice or attention (P313). **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash with plenty of water (P302+P352). **If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Class II combustible liquid.	NFPA Code
Flash point: 43 °C Flammable limits: Lower: 1.2% Upper: 9.0% Autoignition Temperature: 350 °C	H-1 F-2
When heated to decomposition, may emit toxic fumes.	R-0
In case of fire: Use a tri-class dry chemical fire extinguisher.	

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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. Avoid prolonged storage (see Section 10). Keep container tightly closed (P233). Keep cool (P235). Use only in a hood or well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).
Exposure guidelines: PEL/TLV 100 ppm (OSHA, ACGIH); Ceiling 125 ppm (ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, colorless liquid. Strong, disagreeable odor like alcohol.	Boiling point: 131 °C Melting point: -117 °C
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Soluble: Slightly in water. Miscible with alcohol and ether.

Refractive index: 1.4053

Specific gravity: 0.813

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers, acid chlorides, and anhydrides.

Shelf life: Poor. May form explosive peroxides with age. Do not distill to dryness.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: eye, skin, respiratory tract irritation; headache, dizziness; cough, dyspnea (breathing difficulty), nausea, vomiting,

ORL-RAT LD₅₀: 1300 mg/kg

IHL-RAT LC₅₀: N.A.

SKN-RBT LD₅₀: 3970 uL/kg

Chronic effects: N.A.

Target organs: Eyes, skin, respiratory system, central nervous system.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Amyl Alcohols. Hazard class: 3, Flammable liquid. UN number: UN1105.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (204-633-5), RCRA code D001.

SECTION 16 — OTHER INFORMATION

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DISPOSAL OF THIS PRODUCT(S).

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

N/A = Not applicable

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

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