

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 419.00

Revision Date: March 25, 2014

### 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) 424-9300

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.

Flash point: 43 °C Flammable limits: Lower: 1.2% Upper: 9.0% Autoignition Temperature: 350 °C

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

NFPA CODE

H-1

F-2

R-0

### 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.

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**SECTION 7 — HANDLING AND STORAGE**

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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).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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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)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear, colorless liquid. Strong, disagreeable odor like alcohol.  
Soluble: Slightly in water. Miscible with alcohol and ether.

Boiling point: 131 °C  
Melting point: -117 °C  
Refractive index: 1.4053  
Specific gravity: 0.813

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers, acid chlorides, and anhydrides.  
Shelf life: Poor. May form explosive peroxides with age. Do not distill to dryness.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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

ORL-RAT LD<sub>50</sub>: 1300 mg/kg

IHL-RAT LC<sub>50</sub>: N.A.

Chronic effects: N.A.

SKN-RBT LD<sub>50</sub>: 3970 uL/kg

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

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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

Flinn Suggested Disposal Method #18b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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

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**SECTION 16 — OTHER INFORMATION**

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

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