



CONFIDENTIAL

Please restrict the use to your internal company requirements.

# Material Safety Data Sheet

## ISOPROPANOL ALCOHOL 99%

HMIS

Health	1
Flammability	4
Reactivity	0
Protective Equipment	GH

### Section 1 – Chemical Product and Company Identification

Engineered Lubricants Co.  
11525 Rock Island Court  
Maryland Heights, MO 63043-3597

**Emergency Phone Numbers**  
Engineered Lubricants: 314-872-9540  
Transportation Emergencies: Chemtrec: 1-800-424-9300  
After Hours Medical Emergencies: 1-800-876-0008 Ext. 3068

**Product Description:** Isopropyl Alcohol / IPA

### Section 2 – Composition / Information on Ingredients

Hazardous Components Per 40 CFR Parts 302.4, 355.5, & 372.65	CAS #	% Vol	Exposure Limits		Carcinogen		
			ACGIH TLV	OSHA PEL	NTP	IARC	OSHA
None							

<b>Balance of Components:</b> Trade Secret	N/E	N/E	N	N	N
<b>Other Exposure Limits:</b> Isopropyl Alcohol	983mg/M <sup>3</sup>	980mg/M <sup>3</sup>			

EPA SARA Title III Section 313 (40CFR 372) Toxic Chemicals Above De Minimis Levels: None

**Hazard Categories (29CFR 1910.1200):** **Health:** Acute **Physical:** Flammable

The exact chemical identity of this product may be withheld as a **Trade Secret** in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200(i). In a medical emergency, health professionals may obtain identity by calling 1-800-876-0008 Ext. 3068.

N/E = Not Established      N/A = Not Applicable      N/D = No Data/Not Determined      C = Ceiling      (Sk) = Skin

### Section 3 – Physical and Chemical Properties

<b>Color:</b> Colorless	<b>Physical State:</b> Liquid
<b>Odor:</b> Mild, Characteristic	<b>% Volatile By Vol.:</b> 100
<b>SpG 60°F:</b> 0.79	<b>Solubility in Water:</b> Complete
<b>Lb/Gal:</b> 6.58	<b>Boiling Range °F:</b> 177-182

Physical data are typical values based on material tested but may vary from batch to batch.

### Section 4 – Fire-Fighting Measures

**Flash Point °F:** 55 **Method Used:** TCC

**Extinguishing Media:** Dry Chemical, Foam, CO<sub>2</sub>  
**Special Fire Fighting Procedures:** Fire fighters should wear self-contained breathing gear.  
**Unusual Fire & Explosion Hazards:** Closed containers may rupture if exposed to intense heat.

### Section 5 – Stability and Reactivity

**Stability:** Stable **Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** Temperatures above flash point, sparks, and open flames.  
**Incompatibility:** Strong Oxidizers, Ketones, Nitric and Sulfuric Acids, Halogens and Halogen Cpd.  
**Decomposition Products:** Oxides of Carbon and other products of incomplete combustion.

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## Section 6 – Health Hazard Information

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### Potential Health Effects

**Skin Contact:** Prolonged or repeated contact may cause irritation. May aggravate preexisting skin disorders.

**Eye Contact:** May cause irritation.

**Inhalation:** Of mists or vapors may cause respiratory irritation and signs of central nervous system depression, including giddiness, headache, nausea, dizziness, unconsciousness or death.

**Ingestion:** May result in vomiting; aspiration (breathing) of vomitus into lungs must be avoided.

### Emergency and First Aid Procedures

**Skin Contact:** Wash thoroughly with soap and water.

**Eye Contact:** Flush with running water for at least 15 minutes.

**Inhalation:** Move to fresh air. Restore breathing. Get medical attention.

**Ingestion:** Get medical attention immediately! Do not induce vomiting.

If irritated or if irritation persists, consult physician. Wash contaminated clothing before reuse.

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## Section 7 – Spill, Leak, and Disposal Procedures

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**Steps to be Taken in Case Material is Released or Spilled:** Ventilate area. Remove all sources of ignition. Do not allow to enter waterways and sewers. Wear appropriate protective equipment. Pick up free liquid for recycle and/or disposal. Collect remaining product with inert absorbent material for disposal.

**Waste Disposal Method:** According to local, state, and federal regulations.

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## Section 8 – Exposure Controls / Personal Protection

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**Eye:** Where there is significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.

**Skin:** Protective gloves and clothing are recommended.

**Respiratory:** Required if discomfort is experienced or if vapor levels are in excess of exposure limits (See Sec. 2). Follow OSHA respirator regulations (29 CFR 1910-134).

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below exposure limits (See Sec. 2).

**Other Protective Equipment:** If splash is unavoidable, wear appropriate impervious clothing.

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## Section 9 – Special Precautions and Comments

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**Precautions to be Taken in Handling and Storing:** Do not store above 120F. It is recommended that containers be grounded when pouring. Do not flame cut, braze, or weld containers (empty, part full or full). Empty containers are not to be used for storage or shipment of fluid of any type. When use of an empty container for waste is unavoidable, all current local, state, and federal regulations and procedures must be followed.

**Other Precautions:** Avoid contact with skin, eyes, and clothing. Wash hands with soap and water before eating, drinking, or smoking. Avoid or contain mists/vapors. Persons exposed to mists/vapors should wear an approved breathing device. Keep containers closed when not in use. This product is slippery and may cause falls if walked on.

**Date Prepared:** 8/28/06

**Code:** 21548

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