

Safety Data Sheet	<h1 style="margin: 0;">99% Isopropyl Alcohol</h1> <p style="margin: 0;">(2-Propanol, Isopropyl Alcohol 99%, Isopropanol)</p>
-------------------	--

**Manufacturer: Centaur Animal Health, Olathe, KS**

**Tel: 913-390-6184**

**Emergency phone: 800 424 9300 (Chemtrec)**

<b>1. Product Identity</b>	<p>NFPA Rating: Health 1, Flammability 3, Reactivity 0 Special 0                  HMIS Rating: Health 2, Flammability 3, Physical 0, Reactivity, 0</p> <p>Product Name: 99% Isopropyl Alcohol                  Product Number: 33</p>
<b>2. Hazardous Ingredients</b>	<p>Isopropanol: Flammable Liquid</p>
<b>3. Composition</b>	<p>Isopropanol: CAS: 67-63-0                  Weight%: Isopropyl Alcohol: 100%</p>
<b>4. First Aid Measures</b>	<p><b>Eye Contact:</b> Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.</p> <p><b>Inhalation:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.</p> <p><b>Ingestion:</b> Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.</p> <p><b>Skin Contact:</b> Immediately flush skin with plenty of water for at least 15 minutes. Cover the exposed skin with an emollient. Call a physician if irritation persists.</p>

**5. Fire Fighting Measures**

Unusual Fire/Explosion Hazards: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Flash Point: Closed Cup: 11.7°C  
Extinguishing Media: Water spray, dry chemical, alcohol foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak & disperse vapors.

**6. Accidental Release Measures**

Steps to take in case of spill, leak or release:

Ventilate area of leak or spill. Remove sources of ignition. Wear appropriate personal protective equipment. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth) and place in a chemical waste container. Do not use combustible materials such as saw dust

**7. Handling & Storage**

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Keep container tightly closed when not using. Store in dark, cool ventilated area. Protect from freezing. Isolate from incompatible substances. Protect container from physical damage. Containers of this material can be hazardous when empty since they retain product residues.

**8. Control Measures**

OSHA TWA: 500ppm  
ACGIH TLV: 400ppm

Ventilation:

A system of local and/or general exhaust is recommended to keep employee exposure below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

<b>9. Physical Properties</b>	<u>Protective clothing or equipment:</u>
	Splash goggles, lab coat, gloves
	<u>Work or Hygienic Practices:</u>
<b>10. Stability &amp; Reactivity</b>	Use good personal hygiene when handling this product. Wash hands after use, before smoking or eating, and before using the toilet.
	Small amounts of peroxides can form on prolonged storage. Exposure to light and/or air significantly increases the rate of peroxide formation. If evaporated to a residue, the mixture of peroxides and isopropanol may explode when exposed to heat or shock.
	Appearance: Colorless Liquid
	Odor: Pleasant
	Specific Gravity: 0.78505
	pH: Not Available
	Boiling point: 82.5°C
	Vapor Pressure: 4.4kPa @ 25 C°
	Evaporation Rate: 1.0
	Solubility: Cold water, hot water, methanol, diethyl ether, n-octanol, acetone.
<b>11. Toxicological Information</b>	Stability: Stable at room temperature
	Incompatibility: Reactive with oxidizing agents, acids, alkalis
	Corrosivity: Non corrosive in presence of glass, may attack some forms of plastic, rubber & coating
	Hazardous polymerization: Will not occur.
	Special Remarks on Reactivity: Reacts violently with hydrogen + palladium combination, nitroform, oleum, COCl <sub>2</sub> , aluminum triisopropoxide, oxidants.
	<u>Acute Health Effects</u>
	Hazardous in case of eye contact (irritant), of ingestion, of

	<p>inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer, permeator).</p> <p><u>Chronic Health Effects:</u> May cause damage to the following organs: kidneys, liver, skin, central nervous system (CNS).</p> <p>None</p>										
<p><b>12. Ecological Information</b></p>											
<p><b>13. Disposal Information</b></p>	<p><u>Waste disposal method:</u></p> <p>Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. Follow all local, state and federal regulations for disposal of containers.</p>										
<p><b>14. Transport Information</b></p>	<table> <tr> <td>DOT Class:</td> <td>Flammable Liquid</td> </tr> <tr> <td>Hazard Class:</td> <td>3</td> </tr> <tr> <td>UN Number:</td> <td>UN1219</td> </tr> <tr> <td>Package code:</td> <td>II</td> </tr> <tr> <td>Shipping Name:</td> <td>Not regulated</td> </tr> </table>	DOT Class:	Flammable Liquid	Hazard Class:	3	UN Number:	UN1219	Package code:	II	Shipping Name:	Not regulated
DOT Class:	Flammable Liquid										
Hazard Class:	3										
UN Number:	UN1219										
Package code:	II										
Shipping Name:	Not regulated										
<p><b>15. Regulatory Information</b></p>	<p>Follow all local, state and federal regulations for disposal of containers.</p>										
<p><b>16. Other Information</b></p>	<table> <tr> <td>Prepared by:</td> <td>Marlena Richardson</td> </tr> <tr> <td>Date Created:</td> <td>07/25/2014</td> </tr> <tr> <td>Last Revision:</td> <td>06/08/2015</td> </tr> </table>	Prepared by:	Marlena Richardson	Date Created:	07/25/2014	Last Revision:	06/08/2015				
Prepared by:	Marlena Richardson										
Date Created:	07/25/2014										
Last Revision:	06/08/2015										