

# centaur

## ANIMAL HEALTH

Safety  
Data  
Sheet

# 70% Isopropyl Alcohol

(Sec-propyl alcohol, Sec-Propanol, Isopropanol, Dimethylcarbinol)

Olathe, KS Tel: 913-390-6184

Emergency phone: 800 424 9300 (Chemtrec)

### 1. Product Identity

NFPA Rating: Health 2, Flammability 3, Reactivity 2 Special 0  
HMIS Rating: Health 2, Flammability 3, Physical 2, Reactivity, 0

Product Name: 70% Isopropyl Alcohol  
Product Number: 32

### 2. Hazardous Ingredients

Isopropanol

Flammable



**Signal Word:** Danger

**Hazard Statement:** Flammable

**Precautionary Statements:** Take time observe label directions. If taken internally, gastric disturbances will result. Keep away from children. Keep away from heat & open flame. Keep container closed when not in use. Store at 15°-30°C (59°-86°F). Avoid contact with eyes & mucous membranes. Wash skin thoroughly after handling. Antiseptic & rubbing compound. For veterinary use only. May be fatal if swallowed.

### 3. Composition

Isopropanol: CAS: 67-63-0  
Water: CAS: 7732-18-5  
Weight%: Isopropyl Alcohol: 70%  
Water: ~30%

#### **4. First Aid Measures**

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Ingestion:** Give several glasses of water to drink to dilute. If large amounts were consumed, get medical advice.

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes. Call a physician if irritation persists.

#### Acute Health Effects

**Eye Contact:** Vapors cause eye irritation. Splashes cause severe irritation, possible cornea burns and eye damage.

**Ingestion:** Can cause drowsiness, unconsciousness and death. Gastrointestinal pain, cramps, nausea, vomiting and diarrhea may also result. The single lethal dose for a human adult=about 250ml (8 ounces)

**Inhalation:** Inhalation of vapors irritate the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headache, staggering, unconsciousness and possibly death.

**Skin Contact:** May cause irritation with redness and pain. May be absorbed through the skin with possible systemic effects.

#### Chronic Health Effects:

May cause skin effects

#### **5. Fire Fighting Measures**

**Flash Point:** 12 C° Flammable  
**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.

<p><b>6. Accidental Release Measures</b></p>	<p>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.</p> <p><u>Steps to take in case of spill, leak or release:</u></p> <p>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</p>				
<p><b>7. Handling &amp; Storage</b></p>	<p>Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.</p>				
<p><b>8. Control Measures</b></p>	<table data-bbox="560 1050 1161 1123"> <tr> <td>OSHA TWA:</td> <td>400ppm</td> </tr> <tr> <td>ACGIH TLV:</td> <td>200ppm</td> </tr> </table> <p><u>Other precautions:</u></p> <p>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.</p> <p><u>Ventilation:</u></p> <p>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.</p> <p><u>Protective clothing or equipment:</u></p> <p>Splash goggles, lab coat, gloves</p> <p><u>Work or Hygienic Practices:</u></p>	OSHA TWA:	400ppm	ACGIH TLV:	200ppm
OSHA TWA:	400ppm				
ACGIH TLV:	200ppm				

<p><b>9. Physical &amp; Chemical Properties</b></p>	<p>Use good personal hygiene when handling this product. Wash hands after use, before smoking or eating, and before using the toilet.</p> <p>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.</p> <p>Appearance: Colorless Liquid  Odor: Rubbing Alcohol  Specific Gravity: 0.8691-0.8771 @ 20 C°  pH: Not Available  Boiling point: 82°C  Vapor Pressure: 44 @ 25 C°  Evaporation Rate: 2.83  Solubility in Water: Cold water &amp; hot water</p>
<p><b>10. Stability &amp; Reactivity</b></p>	<p>Stability: Stable at room temperature, heat and sunlight can contribute to instability</p> <p>Incompatibility: Heat, flame, strong oxidizers, acetaldehyde, acids, chlorine, ethylene oxide, hydrogen-palladium combination, hydrogen peroxide-sulfuric acid combination, potassium tertbutoxide, hypochlorous acid, isocyanates, nitroform, phosgene, aluminum, oleum and perchloric acid.</p> <p>Corrosivity: N/A  Hazardous polymerization: Will not occur.  Special Remarks on Reactivity: Carbon dioxide and carbon monoxide may form when heated to decomposition</p>
<p><b>11. Toxicological Information</b></p>	<p>None</p>
<p><b>12. Ecological Information</b></p>	<p>None</p>
<p><b>13. Disposal Information</b></p>	<p><u>Waste disposal method:</u></p>

**14. Transport Information**

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.

DOT Class:	Flammable & Combustible
Hazard Class:	3
UN Number:	UN1219
Package code:	II
Shipping Name:	Isopropanol.



**15. Regulatory Information**

Follow all local, state and federal regulations for disposal of containers.

**16. Other Information**

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