

# centaur

## ANIMAL HEALTH

Safety  
Data  
Sheet

# Iodine Tincture 2%

(Tincture of Iodine)

Olathe, KS Tel: 913-390-6184

Emergency phone: 800 424 9300 (Chemtrec)

### 1. Product Identity

NFPA Rating: Health 2, Flammability 3, Reactivity 0 Special 0  
 HMIS Rating: Health 2, Flammability 3, Physical 1, Reactivity, 0

Product Name: Iodine Tincture, 2%  
 Product Number: 30

### 2. Hazardous Ingredients

Iodine Corrosive  
 Sodium Iodide Irritant  
 Isopropyl Alcohol Flammable



**Signal Word:** Danger

**Hazard Statement:** Flammable

**Precautionary Statements:** Take time observe label directions. Keep away from heat & open flame. Keep container closed when not in use. Protect from light. Store at 2°-30°C (36°-86°F). Avoid contact with eyes & mucous membranes.

### 3. Composition

Iodine: CAS: 7553-56-2  
 Sodium Iodide: CAS: 7681-82-5  
 Isopropyl Alcohol: CAS: 63-67-0  
 Water: CAS: 7732-18-5

Weight%:  
 Iodine: 1-5%  
 Sodium Iodide: 1-5%  
 Water: 35-58%  
 Isopropyl Alcohol: 40-55%

**4. First Aid Measures**

Eye Contact: Immediately flush eyes with plenty of water for five, minutes, then remove contact lens if present. Continue flushing for at least 15 minutes. See medical if irritation persists.

Inhalation: Move victim to fresh air if inhaled. Seek medical help if breathing is distressed.

Ingestion: Do not induce vomiting. Give victim large quantities of milk or water and seek immediate medical attention. Never give anything by mouth to an unconscious person.

Skin Contact: Flush with large quantities of water. Seek medical attention if irritation develops.

**5. Fire Fighting Measures**

Flash Point: 22°C  
Est. Explosive Range Limit LEL 3.3% UEL 19%  
Flash Point Method Used: Closed Cup  
Extinguishing Media: Small Fire: dry chemical powder. Large Fire: alcohol foam, water spray or fog.

Special Fire-Fighting Procedure: Containers should be grounded. CAUTION: MAY BURN WITH NEAR INVISIBLE FLAME. Vapor may travel considerable distance to source of ignition and flash back. May form mixtures with air. Contact with Bromine Pentafluoride is likely to cause fire or explosion. Ethanol ignites on contact with chromyl chloride.

Unusual Fire/Explosion Hazards: Flammable, do not exposure to heat, sparks, open flames or other ignition sources. Emits toxic iodine fumes with exposure to high heat.

**6. Accidental Release Measures**

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

Dilute with water. Neutralize iodine with sodium metabisulfite or sodium thiosulfate with soda ash. Use clay absorbent.

**7. Handling & Storage**

Precautions to take in handling and storing:

Keep locked up. Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing equipment. Do not ingest. DO not breathe fumes/gas/vapor/spray. Never add water to this product.

Other precautions:

*Thoroughly rinse all measuring devices, and store out of reach of children.*

Keep container tightly closed when not using.

Avoid contamination of food or feed.

**8. Control Measures**

OSHA PEL:  
1900mg/m<sup>3</sup>

Isopropyl Alcohol:

Sodium Iodide: N/A  
Iodine: 1mg/m<sup>3</sup> ceiling

ACGIH TLV:

Isopropyl Alcohol:1000ppm  
Sodium Iodide: N/A  
Iodine: N/A

Ventilation:

Adequate ventilation is required. Avoid breathing vapors. Vapor respirator may be required.

Protective gloves:

Protective gloves are recommended.

Eye protection:

Splash goggles Recommended.

	<u>Other protective clothing or equipment:</u>	
	Lab coat suggested.	
	<u>Work or Hygienic Practices:</u>	
	Use good personal hygiene when handling this product. Wash hands after use, before smoking or eating, and before using the toilet.	
<b>9. Physical Properties</b>	Appearance:	Dark brown reddish liquid
	Odor:	Characteristic iodine
	Specific Gravity:	0.95-1.0 (water = 1)
	pH:	N/A
	Boiling point:	78.5°C
	Melting Point:	Isopropyl Alcohol: solidify at -88.5°C
	Vapor Pressure:	5.7 kPa
	Evaporation Rate:	Not applicable
	Solubility:	Easily soluble in cold water, hot water. Soluble in methanol, diethyl ether, acetone.
<b>10. Stability &amp; Reactivity</b>	Stability:	Stable at room temperature
	Incompatibility:	Reactive with oxidizing agents, reducing agents, metals, acids, alkalis.
	Hazardous decomposition or by-products:	Emits iodine vapors with high temperature.
	Hazardous polymerization:	Will not occur.
	Conditions to avoid:	High temperatures, mixing with chlorinated products.
<b>11. Toxicological Information</b>	<u>Acute Health Effects</u>	
	Eye Contact:	Irritant.
	Inhalation:	Irritant.
	Ingestion:	Harmful if swallowed. Swallowing will cause irritation to mucous membranes.

**12. Ecological Information**

Skin Contact: Irritant.

Signs and symptoms: Redness of eyes, burning of over exposure mucous membrane, upset stomach.

Aggravated medical conditions: None

Supplemental health information: Persons with a known allergy to shellfish and or iodine should never use this product, or be in contact with this product.

No additional information is available at this time.

**13. Disposal Information**

Waste disposal method:  
Follow all local, state and federal regulations.

**14. Transport Information**

DOT Class: Class 3: Flammable Liquid  
Hazard Class: 3  
UN Number: UN1219  
Package code: III  
Shipping Name: Isopropyl Alcohol solution.

**15. Regulatory Information**



***This material is exempt from DEA regulation.***

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**16. Additional Information**

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