

of water for at least 15 minutes. Cold water may be used. 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: 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.

Skin Contact: 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.

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.

8. Control Measures	<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>OSHA TWA: 500ppm ACGIH TLV: 400ppm</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> <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>
9. Physical Properties	<p>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.</p>
	<p>10. Stability & Reactivity</p> <p>Stability: Stable at room temperature</p> <p>Incompatibility: Reactive with oxidizing agents, acids, alkalis</p>

	<p>Corrosivity: Non corrosive in presence of glass, may attack some forms of plastic, rubber & coating</p> <p>Hazardous polymerization: Will not occur.</p> <p>Special Remarks on Reactivity: Reacts violently with hydrogen + palladium combination, nitroform, oleum, COCl₂, aluminum triisopropoxide, oxidants.</p>
<p>11. Toxicological Information</p>	<p><u>Acute Health Effects</u> Hazardous in case of eye contact (irritant), of ingestion, of 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>12. Ecological Information</p>	<p>No data available</p>
<p>13. Disposal Information</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>14. Transport Information</p>	<p>DOT Class: Flammable & Combustible Hazard Class: 3 UN Number: UN1219 Package code: II Shipping Name: Isopropanol</p>



15. Regulatory Information

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

16. Other Information

Disclaimer of Expressed and implied Warranties: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license

Date Created: 07/25/2014