



Product “Quick Reference” Safety Sheet

Carbon Dioxide, refrigerated liquid

<p>PPE <i>Non - Emergency Work / Maintenance Tasks</i></p> <p>Exposure Time (1hr work task or Exposure)</p>	<p>Respiratory:</p> <p>Eyes & Face:</p> <p>Skin:</p>	<p>High concentrations that can cause rapid suffocation should not be entered; appropriate measures should be taken for total evacuation to protect persons.</p> <p>Safety Glasses with Face Shield * (Depending on use conditions and exposure potential)</p> <p>Side-Split Leather Gloves / Level D / Safety Shoes (Under Normal Handling and Transfer)</p>
<p>PPE: <i>Chemical / Vapor Emergency Situation</i></p> <p>Exposure Time (2 to 4 hr work task or Exposure)</p>	<p>Respiratory:</p> <p>Eyes & Face:</p> <p>Skin:</p> <p>Hearing Protection:</p>	<p>Evacuate all personnel from affected area. Increase ventilation to release area and monitor oxygen level. Use Supplied Air Respirator (SAR) if concentrations are above IDLH (40,000 ppm) or unknown. (MSDS)</p> <p>Respirator Recommendations: NIOSH/OSHA (OBTAINED FROM NIOSH POCKET GUIDE TO CHEMICAL HAZARDS)</p> <p>Emergency or planned entry into unknown concentrations or IDLH conditions: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode/(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus. Respirators will not function.</p> <p>Escape: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.</p> <p>Chemical Splash Goggles with Face Shield</p> <p>Cryo-Gloves / Full Body Apron Cryo / Safety Shoes with natural rubber overboot “Take all precautions to prevent skin contact”</p> <p>Discharge of Liquid Carbon Dioxide and of the vapor can produce noise levels requiring hearing protection.</p>



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First Aid:	General:	Strict adherence to first aid measures following exposures is essential. SPEED IS ESSENTIAL. OBTAIN IMMEDIATE MEDICAL ATTENTION!
	Inhalation:	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give CPR if there is no breathing AND no pulse. If breathing is difficult oxygen administration may be beneficial in this situation but should only be administered by trained personnel. Obtain medical attention immediately.
	Eyes:	For exposure to liquid/gas, immediately warm frostbite area with warm water not to exceed 105 F (Never use hot water, Never use dry heat). Hold eyelids open during flushing for a minimum of 20 min. Do not transport victim unless the recommended flushing period is completed or flushing can be continued during transport. Obtain medical attention immediately.
	Skin:	Remove clothing that may restrict circulation to frozen area. Do not rub frozen parts as tissue damage may result. ASAP placed affected area in warm water bath not to exceed 105 F or (40 C). Never use hot water, Never use dry heat. If frozen part of the body has been thawed, cover the area with dry sterile dressing with a large bulky protective covering. In case of massive exposure, remove clothing while showing with warm water. Obtain medical attention immediately.