

CRYOTECH CMA®

MATERIAL SAFETY DATA SHEET

<p>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</p> <p>EYE PROTECTION: No special eye protection is usually necessary.</p> <p>SKIN PROTECTION: No special skin protection is usually necessary.</p> <p>RESPIRATORY PROTECTION: No special respiratory protection is normally required. However, if operating conditions create high airborne concentrations, the use of an approved respirator is recommended.</p> <p>VENTILATION: No special ventilation is necessary. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed.</p>	<p>13. DISPOSAL CONSIDERATION Based on information available to Cryotech Deicing Technology, this product is neither listed as a hazardous waste nor does it exhibit any of the characteristics that would cause it to be classified or disposed of as an RCRA hazardous waste. If product should spill or be otherwise unsuitable for normal deicing applications, it may be absorbed on suitable materials and disposed of in sanitary landfill unless state or local regulations prohibit such disposal.</p>										
<p>9. PHYSICAL AND CHEMICAL PROPERTIES</p> <p>SOLUBILITY: Partially soluble in water.</p> <p>APPEARANCE: White to off-white spherical granule</p> <p>BOILING POINT: No Data</p> <p>MELTING POINT: No Data</p> <p>EVAPORATION: No Data</p> <p>SPECIFIC GRAVITY: 1.2 min</p> <p>VAPOR PRESSURE: No data</p> <p>PERCENT VOLATILE (VOLUME %): No data</p> <p>VAPOR DENSITY (AIR = 1): No data</p> <p>pH: 8-10 (10% aqueous solution)</p>	<p>14. TRANSPORT INFORMATION Not restricted under any transport regulations.</p>										
<p>10. STABILITY & REACTIVITY</p> <p>HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable</p> <p>STABILITY: Stable.</p> <p>HAZARDOUS POLYMERIZATION: Polymerization will not occur.</p> <p>INCOMPATIBILITY: None</p> <p>SPECIAL PRECAUTIONS: READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.</p>	<p>15. REGULATORY INFORMATION</p> <p>All of the components in this product are on the following Inventory lists: U.S.A. (TSCA), Europe (EINECS), Canada (DSL/NDSL).</p> <p>TSCA Section 12(b): None of the components in this product are listed under TSCA Section 12(b).</p> <p>OSHA Hazard Classification: Hazardous Chemical (Irritant); None of the components in this product are considered highly hazardous by OSHA.</p> <p>CERCLA Hazardous Substances: There is no CERCLA Reportable Quantity for this material.</p> <p>SARA 311 CATEGORIES:</p> <table style="width: 100%; border: none;"> <tr><td>Immediate (Acute) Health Hazard:</td><td style="text-align: right;">Yes</td></tr> <tr><td>Delayed (Chronic) Health Hazard:</td><td style="text-align: right;">No</td></tr> <tr><td>Fire Hazard:</td><td style="text-align: right;">No</td></tr> <tr><td>Sudden Release of Pressure Hazard:</td><td style="text-align: right;">No</td></tr> <tr><td>Reactivity Hazard:</td><td style="text-align: right;">No</td></tr> </table> <p>SARA 313: None of the components in this product are subject to reporting under SARA Section 313.</p> <p>Clean Water Act:</p> <p>None of the components in this product are listed as Priority Pollutants under the CWA.</p> <p>None of the components in this product are listed as Toxic Pollutants under the CWA.</p> <p>State Right-to-Know:</p> <p>This product does not contain components listed on the specific Toxic or Hazardous Substance Lists of the following states: PA, MA, NJ</p> <p>This product does not contain components known to the State of California (Proposition 65) to cause cancer and/or reproductive harm.</p> <p>WHMIS (Canada) Classification: Not controlled</p>	Immediate (Acute) Health Hazard:	Yes	Delayed (Chronic) Health Hazard:	No	Fire Hazard:	No	Sudden Release of Pressure Hazard:	No	Reactivity Hazard:	No
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<p>11. TOXICOLOGICAL INFORMATION</p> <p>EYE IRRITATION: The Draize Eye Irritation Score (range, 0-110) in rabbits is 8.7</p> <p>SKIN IRRITATION: The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0.1. This material was not a skin sensitizer in the Buehler Guinea Pig Sensitization Test.</p> <p>DERMAL TOXICITY: The dermal LD50 in rabbits is >5.0 g/kg</p> <p>RESPIRATORY/INHALATION: The 4-hour inhalation LC50 in rats is 4.6 mg/liter</p> <p>INGESTION: The oral LD50 in rats is greater than 5000 mg/liter. Additional Toxicological Data: The 96-hour LC50 in rainbow trout (<i>Salmo gairdneri</i>) is >1000 mg/L. The 48-hour LC50 daphnia (<i>Daphnia magna</i>) is >1000 mg/L. Results of a 28-day oral toxicity study in rats showed that daily doses of 1000 mg/kg of Cryotech CMA Deicer caused no significant toxicity.</p>	<p>16. OTHER INFORMATION</p> <p>ADDITIONAL HEALTH DATA COMMENT: Effects of overexposure: High concentration of dust may cause irritation of eyes, nose and throat, especially for people with chronic respiratory problems. This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS. Latest version of this MSDS can be found at http://www.cryotech.com</p>										
<p>12. ECOLOGICAL INFORMATION</p> <table style="width: 100%; border: none;"> <tr><td>COD (TOD):</td><td style="text-align: right;">0.75 kg O₂/kg</td></tr> <tr><td>BOD₂₀ @ 2° C:</td><td style="text-align: right;">0.40 kg O₂/kg</td></tr> <tr><td>BOD₂₀ @ 10° C:</td><td style="text-align: right;">0.67 kg O₂/kg</td></tr> </table>	COD (TOD):	0.75 kg O ₂ /kg	BOD ₂₀ @ 2° C:	0.40 kg O ₂ /kg	BOD ₂₀ @ 10° C:	0.67 kg O ₂ /kg					
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The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, **Cryotech Deicing Technology, a Division of General Atomics International Services Corporation makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon.** Cryotech Deicing Technology, a Division of General Atomics International Services Corporation assumes no responsibility for any injury or loss resulting from the use of the product described herein. User should satisfy himself that he has all current data relevant to his particular use.