

# ORION MATERIAL SAFETY DATA SHEET

a subsidiary of Thermedics Inc.  
a Thermo Electron Company

Sheet 1 OF 2

**Orion Research, Inc.**  
500 Cummings Center  
Beverly, MA 01915-6199 USA  
Telephone 978-232-6000

## I. PRODUCT IDENTIFICATION

<b>Product Name:</b> Electrolyte Solution (For Dissolved Oxygen Electrodes)	<b>Catalog No.</b> Part of 080013	<b>Effective Date</b> 3/5/99
<b>Hazardous Shipment Labeling:</b> DOT None	<b>IATA</b> None	
<b>Prepared By</b> <i>J. Gilman</i>	<b>Title</b> Quality Assurance Chemist	
<b>Approved By</b> <i>J. Gilman</i>	<b>Title</b> Director Regulatory Matters	

## II. HAZARDOUS INGREDIENTS (IDENTIFY INFORMATION)

Hazardous Components * Specific Chemical Identity: Common Name(s)	CAS NO.	%	OSHA PEL	ACGIH TLV	LD <sub>50</sub> mg/Kg
Potassium Carbonate (K <sub>2</sub> CO <sub>3</sub> )	584-08-7	5	NA	NA	1870 (ORL-RAT)
*Potassium Bicarbonate (KHCO <sub>3</sub> )	298-14-6	3	NA	NA	None Listed

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## V. REACTIVITY DATA

<b>Stability:</b> Unstable                      Stable      X	<b>Conditions to Avoid</b> Heat, Fire
<b>Incompatibility (Materials to avoid)</b>	ClF <sub>3</sub> , NH <sub>4</sub> , H <sub>2</sub> , PO <sub>4</sub> , BrF <sub>3</sub>
<b>Hazardous Decomposition Products</b>	May give off toxic carbon monoxide fumes during a fire.
<b>Hazardous Polymerization:</b> May Occur                      Will Not Occur      X	<b>Condition to Avoid</b> None

## VI. HEALTH HAZARD DATA

<b>Route(s) Of Entry:</b>	<b>Inhalation?</b> No	<b>Skin?</b> Yes	<b>Ingestion?</b> Yes
<b>Health Hazards (acute and chronic)</b> Acute - may irritate skin, harmful if swallowed; possibly causing headache, nausea, dizziness, vomiting, weakness. Chronic: may cause burns, irritation or blisters to skin.			
<b>Carcinogenicity:</b> Not found on these lists.	<b>NTP?</b>	<b>IARC Monographs?</b>	<b>OSHA Regulated?</b>
<b>Signs and Symptoms of Exposure</b> Red or irritated skin.			
<b>Medical Conditions Generally Aggravated by Exposure</b>		Skin diseases	