


**EXPORT LICENSE**

<p>NRC FORM 250 (10-07)</p> <p align="center"><b>UNITED STATES OF AMERICA</b></p> <p align="center"><b>Nuclear Regulatory Commission Washington, D.C. 20555</b></p>		<p>NRC LICENSE NO.: <b>XSOU8774</b> Amendment No. 05</p> <p align="right">Page 1 of 3</p> <p>NRC DOCKET NO.: <b>11005173</b></p> <p>LICENSE EXPIRES <b>January 1, 2017</b></p>	
<p>Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.</p>			
<p align="center"><b>LICENSEE</b></p> <p><b>Materion Advanced Chemicals</b> 407 North 13<sup>th</sup> Street Milwaukee, WI 53233</p> <p>Attn: Garlyn M. Kligora</p>		<p align="center"><b>ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center"><b>See Page 2</b></p> <p align="center"><b>(Various non-nuclear end uses)</b></p>	
<p align="center"><b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p><b>New Metals and Chemicals Corp.</b> Kyobashi TD Building 5F 2-5, 1-Chome Kyobashi, Chuo-Ku Tokyo, 104-0031 Japan</p> <p><b>(Agent for transport purposes only)</b></p>		<p align="center"><b>OTHER U.S. PARTY(IES) TO EXPORT</b></p> <p align="center"><b>NONE</b></p>	
<p>APPLICANT'S REFERENCE NO.: XSOU8774-amend3</p>		<p>ULTIMATE DESTINATION: Japan</p>	
<p align="center"><b>QUANTITY</b></p>	<p align="center"><b>DESCRIPTION OF MATERIALS OR FACILITIES</b></p> <p>The licensee is authorized to export a maximum, cumulative total not to exceed 50,000.0 kilograms of thorium contained in 60,000.0 kilograms of thorium oxides, nitrates, and other compounds for non-nuclear end uses.</p> <p align="right">XSOU8774, Amendment No. 05, continued on Page 3</p>		
<p>Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.</p> <p>This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.</p>		<p align="center"><b>THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</b></p> <p>SIGNATURE: </p> <p>NAME AND TITLE: <b>Nader L. Mamish, Acting Deputy Director Office of International Programs April 14, 2011</b></p> <p>DATE OF ISSUANCE: _____</p>	

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**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): Cont'd**

1. **Toshiba Materials Co., Ltd.  
8, Shin Sugita-Cho, Isogo-Ku  
Yokohama City  
Kanagawa Prefecture 235-8522  
Japan**

**(Ultimate End Use – Material will be used for TIG welding, a material in electrodes for electric discharging lamps, and coil for microwave magnetrons [non-nuclear end use]).**

2. **Lighting Company  
Matsuhita Electronics Industrial Co., Ltd.  
1-1 Saiwai-Cho  
Takatsuki City  
Osaka Prefecture 569-1193  
Japan**

**(Ultimate End Use – Material will be used in the production of thoriated tungsten rods [non-nuclear end use]).**

3. **Sumitomo Electric Industries, Ltd.  
1-3-3 Shimaya, Konohana-Ku  
Osaka City  
Osaka Prefecture, 554-0024  
Japan**

**(Ultimate End Use – Material will be used for AR coating for CO2 laser optics [non-nuclear end use]).**

4. **GS Yuasa International, Ltd.  
1, Inobaba-Cho, Nishinosho, Kisshoin  
Minami-Ku  
Kyoto City, 601-8520  
Japan**

**(Ultimate End Use – Material will be used in the production and R&D for various kinds of discharge lamps [non-nuclear end use]).**

5. **Kishida Chemical Co., Ltd.  
1-22 Honchobashi, Chou-Ku  
Osaka City  
Osaka Prefecture, 540-0029  
Japan**

**(Ultimate End Use – Material will be used to quantitatively analyze for fluorine constituent in hydrogen fluoride and other fluorides [non-nuclear end use]).**

**DESCRIPTION OF MATERIALS OR FACILITIES: (Cont'd)**

**The license is amended to change the name of the licensee from CERAC, Inc. to Materion Advanced Chemicals.**

**All other conditions remain the same.**

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