

**EXPORT LICENSE**

NRC FORM 250  
(10-07)

**UNITED STATES OF AMERICA**  
Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC LICENSE NO.: XSOU8783/03

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NRC DOCKET NO.: 11005247

LICENSE EXPIRES January 1, 2025

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 align="center">LICENSEE</p> <p>Materion Advanced Chemicals, Inc. 407 North 13<sup>th</sup> Street Milwaukee, WI 53233</p> <p>Attn: Gregory J. Schneider</p>	<p align="center">ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p>Il-VI Singapore Pte, Ltd. Blk 5012, Tech Plate II #40-07, Ang Mo Kio Ave 5, 569876 Singapore</p> <p>(Thin film coating)</p>
<p align="center">INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p align="center">NONE</p>	<p align="center">OTHER U.S. PARTY(IES) TO EXPORT</p> <p>Materion Advanced Chemicals, Inc. 407 North 13<sup>th</sup> Street Milwaukee, WI 53233</p> <p>(Manufacturer and Exporter)</p>

APPLICANT'S REFERENCE NO.: Appl. Dated 3/26/15

ULTIMATE DESTINATION: Singapore

QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES
	<p>This license authorizes the export of 6,777 kilograms (kg) of thorium contained in 9,000 kg of thorium fluoride, enriched to 75.3 WGT % maximum, in granular form.</p> <p>This license is amended to: 1) increase the quantity authorized for export by 4,477 kg of thorium contained in 6,000 kg of thorium fluoride, to a new cumulative total of 6,777 kg of thorium contained in 9,000 kg of thorium fluoride; 2) change the licensee point of contact; and 3) extend the date of expiration from January 1, 2018 to January 1, 2025.</p> <p>All other conditions remain the same.</p> <p>////////////////////////////////////END////////////////////////////////////</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.

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.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW  
BY AUTHORIZED NRC REPRESENTATIVE

SIGNATURE:



NAME AND TITLE:

David L. Skeen, Deputy Director  
Office of International Programs

DATE OF ISSUANCE:

May 5, 2015

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