

EXPORT LICENSE

NRC FORM 250
(10-07)

UNITED STATES OF AMERICA

Nuclear Regulatory Commission
Washington, D.C. 20555

NRC LICENSE NO.: **XMAT418/01**

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DOCKET NO.: **11005977**

LICENSE EXPIRES: **February 28, 2017**

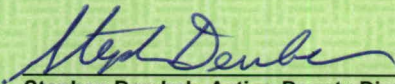
Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee 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>Sigma-Aldrich Co. LLC 3050 Spruce Street St. Louis, MO 63103</p> <p>Attn: Jared Fenton</p>	<p align="center">ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p>Sigma Aldrich Chemicals Pvt Ltd Plot No. 12 Bommasandra Jigani Link Road Bangalore 560 100 India</p> <p>(For distribution into medical, pharmaceutical, chemical, and industrial markets for non-nuclear end use)</p>
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<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 align="center">See page 2</p>
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<p>APPLICANT'S REFERENCE NO.: Appl. dated 08/01/2012</p>	<p>ULTIMATE DESTINATION: India</p>
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<p align="center">QUANTITY</p>	<p align="center">DESCRIPTION OF MATERIALS OR FACILITIES</p> <p>The Licensee is authorized to export a cumulative total of 1,500.0 kilograms of deuterium in the form of deuterated compounds, deuterium oxide (heavy water), and deuterium gas.</p> <p>License is amended to: 1) revise licensee name; 2) change licensee address; 3) add three "Other U.S. Party(ies) to Export"; and 4) extend the expiration date from February 28, 2014 to February 28, 2017.</p>
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<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">THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</p> <p>SIGNATURE: </p> <p>NAME AND TITLE: Stephen Dembek, Acting Deputy Director Office of International Programs</p> <p>DATE OF ISSUANCE: September 20, 2012</p>
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OTHER U.S. PARTY(IES) TO EXPORT: (Cont'd)

1. Aldrich Chemical Co. LLC
6000 N. Teutonia Avenue
Milwaukee, WI 53209
2. Aldrich Chemical Co. LLC
3858 Benner Road
Miamisburg, OH 45342
3. Aldrich Chemical Co. LLC
6950 Ambassador Drive
Allentown, PA 18106

(Suppliers)

DESCRIPTION OF MATERIALS OR FACILITIES: (Cont'd)

License is amended to: 1) revise licensee name; 2) change licensee address; 3) add three "Other U.S. Party(ies) to Export"; and 4) extend the expiration date from February 28, 2014 to February 28, 2017.

All other conditions remain the same.

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