

NRC FORM 7
(8-2011)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 08/31/2012

**APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL,
OR CONSENT REQUEST(S)**
(See Instructions on Pages 4 and 5)

Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

| | | |
|--------------------------------------|---|---------------------------------|
| PART A. FOR NRC USE ONLY | <input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC | DATE RECEIVED 8-13-12 |
| LICENSE NUMBER XMAT 418/01 | DOCKET NUMBER 110059077 | ADAMS ACCESSION NUMBER |

PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

| | | |
|--|---|----------------------------------|
| 1. NAME AND ADDRESS OF APPLICANT/LICENSEE Sigma-Aldrich Co. LLC 3050 Spruce Street St. Louis, MO 63103 | 1a. NAME OF APPLICANT'S CONTACT Jared Fenton | 1b. APPLICANT'S REFERENCE NUMBER |
| | 1c. PHONE NUMBER (314) 286-8326 | 1d. FAX NUMBER (314) 286-8005 |
| | 1e. E-MAIL ADDRESS jared.fenton@sial.com | |
| 2. TYPE OF ACTION REQUESTED (Check One) | | |
| <input type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input checked="" type="checkbox"/> AMENDMENT/RENEWAL Current License Number: <u>XMAT418</u> <input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number: _____ | | |
| 3. CONTRACT NUMBER(S) | 4. FIRST SHIPMENT DATE | 5. LAST SHIPMENT DATE |
| 6. PROPOSED EXPIRATION DATE | | |

PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, RENEWALS OR CONSENTS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

| | | | |
|--|---|---|---------------------------|
| 7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT | 8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) | 9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) | |
| 7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED | 8a. INTERMEDIATE USE(S) | 9a. ULTIMATE END USE(S) | |
| 10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT | 10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) | 10b. MAX ENRICHMENT OR WGT % | 10c. MAX ISOTOPE WGT (KG) |

11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

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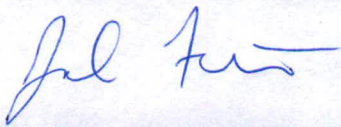
| | | | |
|--------------------------------------|----------------------------------|------------------------|---|
| LICENSE NUMBER XMAT 418101 | DOCKET NUMBER 11005974 | ADAMS ACCESSION NUMBER | <input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC |
|--------------------------------------|----------------------------------|------------------------|---|

PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

| | | | |
|--|---|--|---------------------------|
| 12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT | 13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S) | 14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S) | |
| 12a. NRC EXPORT LICENSE NUMBER(S) (if applicable) | 13a. LICENSE NUMBER(S) / EXPIRATION DATE(S) | 14a. LICENSE NUMBER(S) / EXPIRATION DATE(S) | |
| | 13b. INTERMEDIATE USE(S) | 14b. ULTIMATE END USE(S) | |
| 15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES | 15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) | 15b. MAX ENRICHMENT OR WGT % | 15c. MAX ISOTOPE WGT (KG) |
| 16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) | | | |

PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)

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| 17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | 17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge. | |
| 18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Jared Fenton Manager, Trade and Product Compliance Sigma-Aldrich | 18b. SIGNATURE - AUTHORIZED OFFICIAL  |
| 18c. DATE 8/9/12 | |

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|--------------------------------------|-----------------------------------|------------------------|--|
| LICENSE NUMBER XMAT 418/01 | DOCKET NUMBER 110059 77 | ADAMS ACCESSION NUMBER | <input checked="checked" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC |
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

(Continued from Block 1)

Aldrich Chemical Co. LLC
6000 N. Teutonia Ave.
Milwaukee, WI 53209

Aldrich Chemical Co. LLC
3858 Benner Rd.
Miamisburg, OH 45342

Aldrich Chemical Co. LLC
6950 Ambassador Drive
Allentown, PA 18106

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AUG 13 2012

August 9, 2012

Deputy Director, Office of International Programs
U.S. Nuclear Regulatory Commission
Washington, DC 20555-001

Re: NRC export license amendments

Sigma-Aldrich Corporation (Sigma-Aldrich) respectfully requests the NRC make the following minor license amendments to the Company's existing export licenses:

License XMAT 410 to Japan.

- Add the additional Sigma-Aldrich shipping locations to field 1.
- Per Brian Wittick, expiration dates can also be extended under minor amendments; we request NRC extend the license expiration date.

License XMAT 411 to Canada.

- Add the additional Sigma-Aldrich shipping locations to field 1.
- Per Brian Wittick, expiration dates can also be extended under minor amendments; we request NRC extend the license expiration date.

License XMAT 416 to the United Kingdom.

- Add the additional Sigma-Aldrich shipping locations to field 1.
- Per Brian Wittick, expiration dates can also be extended under minor amendments; we request NRC extend the license expiration date.

License XMAT 417 to China.

- Add the additional Sigma-Aldrich shipping locations to field 1.
- Per Brian Wittick, expiration dates can also be extended under minor amendments; we request NRC extend the license expiration date.
- Revise the current ultimate consignee address for Sigma-Aldrich (Shanghai) Trading Co, Ltd. and list the seven additional ultimate consignees. Please refer to the enclosed request to NRC dated February 27, 2012 for details of these amendments. Sigma-Aldrich received reference docket No. 11005954 but the China revised license was never received.

License XMAT 418 to India.

- Add the additional Sigma-Aldrich shipping locations to field 1.
- Per Brian Wittick, expiration dates can also be extended under minor amendments; we request NRC extend the license expiration date.

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AUG 13 2012
Jm