

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**
☒ PUBLIC OR ☐ NON-PUBLIC

DATE RECEIVED

8-13-12

LICENSE NUMBER

XMAT416101

DOCKET NUMBER

R1003919

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)

☐EXPORT  
(Parts B, C, E)☐IMPORT  
(Parts B, D, E)☒AMENDMENT/RENEWAL  
Current License Number:  
XMAT416☐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 EXPORT8. 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 EXPORT10a. 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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**APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**

LICENSE NUMBER <i>Xmat 4161a</i>	DOCKET NUMBER <i>11005919</i>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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**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)**

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 <i>Jared Fenton</i>
18c. DATE <i>8/9/12</i>	

*for* AUG 13 2012  
*1/10*



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**APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, RENEWAL OR CONSENT REQUEST(S) (Continued)**

LICENSE NUMBER <i>Xmct 46101</i>	DOCKET NUMBER <i>11005919</i>	ADAMS ACCESSION NUMBER	<input 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

*ack*  
*dm* 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.