NRC FORM 250		RT LICEN	ISE	present presented presented in the second
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		Line Line	NRC LICENSE NO .:	XMAT416/01
UNITED STATES OF AMER		ICA		Page 1 of 2
Nuclear Regulatory Commission Washington, D.C. 20555			DOCKET NO .:	11005919
			LICENSE EXPIRES:	December 31, 2017
Nuclear Regulatory licensee, a license i	omic Energy Act of 1954, as amended, a Commission issued pursuant thereto, and is hereby issued to the licensee authorizi it to the terms and conditions herein.	d in reliance	on statements and represen	ntations heretofore made by the
LICENSEE		ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)		
Sigma-Aldrich Co. LLC 3050 Spruce Street St. Louis, MO 63103		Sigma-Aldrich Chemical Company, Ltd. The Old Brickyard New Road Gillingham Dorset, SP8 4XT United Kingdom		
Attn: Jared Fenton		(Distribution into medical, pharmaceutical, chemical, and industrial markets)		
INTERMEDIATE CO	NSIGNEE(S) IN FOREIGN COUNTRY(IES)	All and a second	OTHER U.S. PARTY(IE	S) TO EXPORT
	NONE			
APPLICANT'S REFERENCE NO.: Appl. dated 8/9/2012				
APPLICANT'S REFE	RENCE NO.: Appl. dated 8/9/2012	ULTIMATE	DESTINATION: Great Brita	in
APPLICANT'S REFE			DESTINATION: Great Britz	
Alexand and an		RIPTION OF	MATERIALS OR FACILITIES cumulative total of 5,00 npounds, deuterium o	00.0 kilograms of
QUANTITY Neither this license assigned or other provisions of the At and the Energy Reo This license is subje Section 108 of the A and to all of the o	DESC The Licensee is authorized to deuterium in the form of deuter deuterium gas. nor any right under this license shall be wise transferred in violation of the tomic Energy Act of 1954, as amended, rganization Act of 1974. Sect to the right of recapture or control by Atomic Energy Act of 1954, as amended, other provisions of said Acts, now or and to all valid rules and regulations of	RIPTION OF	MATERIALS OR FACILITIES cumulative total of 5,00 pounds, deuterium o XMAT416/ IS LICENSE IS INVALID UN BY AUTHORIZED NRC R E: TITLE: Stephen Dembe Office of Intern Septen	00.0 kilograms of xide (heavy water), and 01 continued on Page 2. LESS SIGNED BELOW

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 December 31, 2014 to December 31, 2017.

All other conditions remain the same.