

APPLICATION FOR LICENSE TO EXPORT NUCLEAR  
MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANT'S USE		a. DATE OF APPLICATION 8/25/80		b. APPLICANT'S REFERENCE 17/80		2. NRC USE		a. DOCKET NO. 1100 2187		b. LICENSE NO. XMAT0133		
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS <i>(Complete if applicant is not supplier of material)</i>						
a. NAME Aldrich Chemical Co., Inc.						a. NAME RIS						
b. STREET ADDRESS P. O. Box 355						b. STREET ADDRESS						
c. CITY Milwaukee,				STATE WI		ZIP CODE 53201		b. STREET ADDRESS				
d. TELEPHONE NUMBER (Area Code - Number - Extension) 414-273-3850						c. CITY		STATE		ZIP CODE		
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)				
Est. as soon as license issued		Est. 2 yrs. from license		Not established		2 yrs from issue						
10. ULTIMATE CONSIGNEE						11. ULTIMATE END USE <i>(Include plant or facility name)</i>						
a. NAME Pontificia Universidad Catolica de Chile						Deuterium oxide is used in laboratory quantities for research and development purposes as for example in deuterium NMR work.						
b. STREET ADDRESS Vicuna Mackenna 4860						11a. EST. DATE OF FIRST USE						
c. CITY - STATE - COUNTRY Santiago, Chile						13. INTERMEDIATE END USE						
12. INTERMEDIATE CONSIGNEE						13a. EST. DATE OF FIRST USE						
a. NAME						15. INTERMEDIATE END USE						
b. STREET ADDRESS						15a. EST. DATE OF FIRST USE						
c. CITY - STATE - COUNTRY												
14. INTERMEDIATE CONSIGNEE						15. INTERMEDIATE END USE						
a. NAME						15a. EST. DATE OF FIRST USE						
b. STREET ADDRESS												
c. CITY - STATE - COUNTRY												
16. NRC USE		17. DESCRIPTION <i>(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)</i>				18. MAX. ELEMENT WEIGHT		19. MAX. WT. %		20. MAX ISOTOPE WT.		21. UNIT
		1 kg. of deuterium in 5 kg. of deuterium oxide. Deuterium oxide (D <sub>2</sub> O) containing deuterium.								1000 SEP 2 1981		
22. COUNTRY OF ORIGIN - SOURCE MATERIAL USA			23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED			24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)						
25. ADDITIONAL INFORMATION (Use separate sheet if necessary)												
26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information in this application is correct to the best of his/her knowledge.												
27. AUTHORIZED OFFICIAL		a. SIGNATURE Bernard Edelstein						b. TITLE Exec. VP & Secretary				

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APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See instructions on Reverse)

1. APPLICANT'S USE		a. DATE OF APPLICATION 8/25/80		b. APPLICANT'S REFERENCE 18/80		2. NRC USE		a. DOCKET NO. 11002187		b. LICENSE NO. XMAT-133					
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS									
a. NAME Aldrich Chemical Co., Inc.						RIS									
b. STREET ADDRESS P.O. Box 355						a. NAME									
c. CITY Milwaukee,				STATE WI		ZIP CODE 53201		b. STREET ADDRESS							
d. TELEPHONE NUMBER (Area Code - Number - Extension) 414-273-3850						c. CITY		STATE		ZIP CODE					
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)							
Est. as soon as license issued		Est. 2 yrs. from license		Not established		2 yrs from issue									
10. ULTIMATE CONSIGNEE				RIS				11. ULTIMATE END USE							
a. NAME Universidad de Chile				Deuterium oxide is used in laboratory quantities for research and development purposes as for example in deuterium NMR work.				11a. EST. DATE OF FIRST USE							
b. STREET ADDRESS Auda Beauchef 850															
c. CITY - STATE - COUNTRY Santiago, Chile															
12. INTERMEDIATE CONSIGNEE				RIS				13. INTERMEDIATE END USE							
a. NAME															
b. STREET ADDRESS															
c. CITY - STATE - COUNTRY															
14. INTERMEDIATE CONSIGNEE				RIS				15. INTERMEDIATE END USE							
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				(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)				WEIGHT		WT. %		ISOTOPE WT.		UNIT	
				1 kg. of deuterium in 5 kg. of deuterium oxide. Deuterium oxide (D <sub>2</sub> O) containing deuterium.								1000 SEP 2 AM 9			
22. COUNTRY OF ORIGIN - SOURCE MATERIAL				23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)							
USA															
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				Bernard Edelstein				Exec. VP & Secretary							