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

1. APPLICANT'S USE		4. DATE OF APPLICATION Oct. 29, 1979		5. APPLICANT'S REFERENCE D-26		2. NRC USE		6. LICENSE NO. XMAT0077		7. DOCKET NO. 11000894		
3. APPLICANT'S NAME AND ADDRESS a. NAME Sigma Chemical Company b. STREET ADDRESS 3500 DeKalb Street c. CITY St. Louis STATE MO ZIP CODE 63118						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) RIS						
5. FIRST SHIPMENT SCHEDULED Est. - as soon as license issued				6. FINAL SHIPMENT SCHEDULED Est. - 2 yrs from license		7. APPLICANT'S CONTRACTUAL DELIVERY DATE Not established		8. PROPOSED LICENSE EXPIRATION DATE 2 yrs. from issue		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) N/A		
10. ULTIMATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY Ultimate						11. ULTIMATE END USE (Include plant or facility name) NMR Applications in Analytical Chemistry See attached article.						
12. CONSIGNEE CONSIGNEE a. NAME Smith - Biolab Limited b. STREET ADDRESS P.O. Box 36007 c. CITY - STATE - COUNTRY Aukland 9 New Zealand						13. INTERMEDIATE END USE 13a. EST. DATE OF FIRST USE						
14. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY						15. INTERMEDIATE END USE 15a. EST. DATE OF FIRST USE						
16. NRC USE		17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)				18. MAX. ELEMENT WEIGHT		19. MAX. WT. %		20. MAX. ISOTOPE WT.		21. UNIT
		Compounds containing Deuterium; application is for shipment of equivalent of 5 kg of D ₂ O liquid over a 2-year period. See attached.										
22. COUNTRY OF ORIGIN - SOURCE MATERIAL U.S.A.				23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) Unknown				
25. ADDITIONAL INFORMATION (Use separate sheet if necessary) 1354 174 7911190 132												
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			b. TITLE Walter C. Stearns, M.D.			

POOR ORIGINAL

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OCT 31 1979