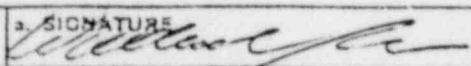


APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See Instructions on Reverse)

ACU

1. APPLICANT'S USE		4. DATE OF APPLICATION 9-12-80		5. APPLICANT'S REFERENCE D-53		2. NRC USE		3. DOCKET NO. 11002209		6. LICENSE NO. XMAT0138		
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 RIS (Complete if applicant is not supplier of material)						
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		3. 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 E. Gouveia CIA LTDA b. STREET ADDRESS Ave. Taulista 2073, 10 Andar c. CITY - STATE - COUNTRY Sao Paulo, Brasil				RIS		11. ULTIMATE END USE (include plant or facility name) NMR Applications in Analytical Chemistry See attached. 11a. EST. DATE OF FIRST USE						
12. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY				RIS		13. INTERMEDIATE END USE 13a. EST. DATE OF FIRST USE						
14. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY				RIS		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) Compounds containing Deuterium; application is for shipment of equivalent of 10 kg of D <sub>2</sub> O liquid over a 2 year period. See attached.				19. MAX. ELEMENT WEIGHT		19. MAX. WT. %	20. MAX ISOTOPE WT.		21. UNIT	
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) 26 NOV 9 1980												
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. Stern, V.P.				