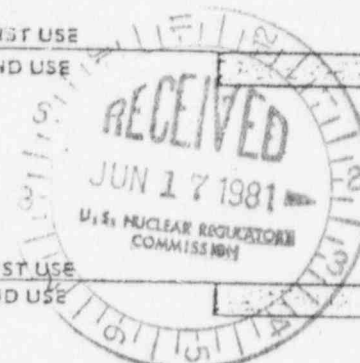


APPLICATION FOR LICENSE TO EXPORT NUCLEAR
MATERIAL AND EQUIPMENT (See Instructions on Reverse)

ACU

1. APPLICANT'S USE		2. DATE OF APPLICATION 6-8-81		3. APPLICANT'S REFERENCE D-79		4. NRC USE		5. DOCKET NO. 11502514		6. LICENSE NO. X MATC0187							
7. 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 d. TELEPHONE NUMBER (Area Code - Number - Extension) (314) 771-5765 ext. 202						8. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) RIS											
9. FIRST SHIPMENT SCHEDULED Est. - as soon as license issued						10. FINAL SHIPMENT SCHEDULED Est. 2 yrs. from license issue		11. APPLICANT'S CONTRACTUAL DELIVERY DATE Not established		12. PROPOSED LICENSE EXPIRATION DATE 2 yrs. from issue		13. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) N/A					
14. ULTIMATE CONSIGNEE a. NAME Dae Yang Commercial Co. b. STREET ADDRESS #16 Jongro 3Ka, Jongro-Ku, c. CITY - STATE - COUNTRY Seoul, Korea						15. ULTIMATE END USE (Include plant or facility name) NMR Application in Analytical Chemistry (see attached) 11a. EST. DATE OF FIRST USE											
16. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY						17. INTERMEDIATE END USE 13. EST. DATE OF FIRST USE 15. INTERMEDIATE END USE											
18. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY						19. EST. DATE OF FIRST USE 20. INTERMEDIATE END USE											
19. NRC USE		20. 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 5 kg of D ₂ O liquid over a 2-year period. See attached.								21. MAX. ELEMENT WEIGHT		22. MAX. WT. %		23. MAX. ISOTOPE WT.		24. UNIT	
25. COUNTRY OF ORIGIN - SOURCE MATERIAL U.S.A.						26. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED						27. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) Unknown					
28. ADDITIONAL INFORMATION (Use separate sheet if necessary) * Copy to PDR and ACO 6-16-81 W.C. Stern														29. 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.			
30. AUTHORIZED OFFICIAL						31. SIGNATURE Walter C. Stern						32. TITLE Walter C. Stern, V.P.					



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