

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

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| 1. APPLICANT'S USE | 2. DATE OF APPLICATION 9-12-80 | 3. APPLICANT'S REFERENCE D-51 | 4. NRC USE | 5. DOCKET NO. 11002207 | 6. LICENSE NO. XMAT0136 |
| 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 | | | 8. SUPPLIER'S NAME AND ADDRESS RIS (Complete if applicant is not supplier of material) | | |
| 9. TELEPHONE NUMBER (Area Code - Number - Extension) (314) 771-5765 Ext. 202 | | | 10. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) N/A | | |
| 11. FIRST SHIPMENT SCHEDULED Est - as soon as license issued | 12. FINAL SHIPMENT SCHEDULED Est - 2 yrs from license issue | 13. APPLICANT'S CONTRACTUAL DELIVERY DATE Not established | 14. PROPOSED LICENSE EXPIRATION DATE 2 yrs from issue | | |
| 15. ULTIMATE CONSIGNEE a. NAME Indian Veterinarian Research Institute b. STREET ADDRESS HE BRAL c. CITY - STATE - COUNTRY Bangalore, 560024, India | | | 16. ULTIMATE END USE (Include plant or facility name) NMR Applications in Analytical Chemistry See attached. | | |
| 17. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY | | | 18. INTERMEDIATE END USE 11a. EST. DATE OF FIRST USE | | |
| 19. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY | | | 20. INTERMEDIATE END USE 12a. EST. DATE OF FIRST USE | | |
| 21. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY | | | 22. INTERMEDIATE END USE 13a. EST. DATE OF FIRST USE | | |
| 23. NRC USE | 24. 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 ₂ O liquid over a 2 year period. See attached. | | 25. MAX. ELEMENT WEIGHT | 26. MAX. WT. % | 27. MAX. ISOTOPE WT. UNIT |
| 28. COUNTRY OF ORIGIN - SOURCE MATERIAL U.S.A. | 29. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED | | 30. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) Unknown | | |
| 31. ADDITIONAL INFORMATION (Use separate sheet if necessary) | | | | | |
| 32. 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. | | | | | |
| 33. AUTHORIZED OFFICIAL | | | 34. SIGNATURE <i>Walter C. Stern</i> | | 35. TITLE Walter C. Stern, V.P. |

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