FORM NRC-7
(7-78)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY GAO
B-180225(R0362)

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

AC

1. APPLICANT'S USE →	a. DATE OF APPLICATION	b. APPLICANT'S REFERENCE	2. NRC USE →	c. LICENSE NO.	b. DOCKET NO.
	Dec. 4, 1979	101-60667		XMAT0084	1100950

3. APPLICANT'S NAME AND ADDRESS	RIS	4. SUPPLIER'S NAME AND ADDRESS *(Complete if applicant is not supplier of material)*	RIS
a. NAME: Matheson Gas Products			
b. STREET ADDRESS: 932 Paterson Plank Road		a. NAME: Cryogenic Rare Gas Laboratories, Inc.	
c. CITY: East Rutherford	STATE: NJ ZIP CODE: 07073	b. STREET ADDRESS: 730 South Thirteenth Street	
d. TELEPHONE NUMBER *(Area Code – Number – Extension)*: (201)933-2400 Ext. 240		c. CITY: Newark	STATE: NJ ZIP CODE: 07103

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)*
as soon as poss.	1/18/80			

10. ULTIMATE CONSIGNEE	RIS	11. ULTIMATE END USE *(Include plant or facility name)*	
a. NAME: Chung Shan Institute of Science & Technology		1. The isotope effect in organic synthesis (SEE COPY OF LETTER ATTACHED)	
b. STREET ADDRESS: PO Box 1-5			
c. CITY – STATE – COUNTRY: Lung-tan, Taiwan, Rep. of China		11a. EST. DATE OF FIRST USE	
12. INTERMEDIATE CONSIGNEE	RIS	13. INTERMEDIATE END USE	
a. NAME			
b. STREET ADDRESS			
c. CITY – STATE – COUNTRY		13a. EST. DATE OF FIRST USE	
14. INTERMEDIATE CONSIGNEE	RIS	15. INTERMEDIATE END USE	
a. NAME			
b. STREET ADDRESS			
c. CITY – STATE – COUNTRY		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
	3000 liters Deuterium, Chemically Pure (540 grams) (3) cylinders, Size #2 - each containing 1000 ltrs Unit Price: 1,137.50/ea. Total $3,412.50 FOB Plant *Copy to PDR and ACC 12/11/79 DRDD	N/A	N/A	N/A	

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22. COUNTRY OF ORIGIN – SOURCE MATERIAL	23. COUNTRY OF ORIGIN – SNM WHERE ENRICHED OR PRODUCED	24. COUNTRIES WHICH ATTACH SAFEGUARDS *(If Known)*
U.S.A.	U.S.A.	

25. ADDITIONAL INFORMATION *(Use separate sheet if necessary)*
We have been advised by the Supplier that the Deuterium is certified as not having been withdrawn from the Naval Petroleum Reserve.

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
	[signature]	Export Manager

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Chung Shan Institute of Science And Technology

CABLE ADDRESS
CHUNSHANINST
SHIHMEN, TAIWAN

P. O. BOX NO. 1
LUNG-TAN, TAIWAN
REPUBLIC OF CHINA

End-use statement of consignee

Our Ref. No. Hx81627(B)-C704 Nov. 7, 1979

We have placed an order for the following article in the quantity indicated below:

Item No.	Description	Quantity
1.	1A Argon with 99.9995% purity	15
2.	1A Hydrogen with 99.9999% purity	5
3.	#2 Deuterium with 99.5% purity	3
4.	Hydrogen purifier	1
5.	Sampling 4 cylinder, 8HD, 2½ gal	3
6.	Handling accessories (valve, regulator etc.)	—

We will use the article listed above for the following purpose:

1. The isotope effect in organic synthesis
2. Driver gases in shock tube experiments

We certify that all of the facts contained in this statement are true and correct to the best of our knowledge and belief.

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We do not know of any additional facts which are inconsistent with the above statement.

1979 DEC 6 PM 4

EXPORT/IMPORT
AND
INTERNAT'L SFGRDS

Kuei Lin

Associate Scientist
ChunShan Institute of
Science and Technology

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