

UNITED STATES ATOMIC ENERGY COMMISSION

APPLICATION FOR SOURCE MATERIAL LICENSE

Pursuant to the regulations in Title 10, Code of Federal Regulations, Chapter 1, Part 40, application is hereby made for a license to receive, possess, use, transfer, deliver or import into the United States, source material for the activity or activities described.

1. (Check one) <input type="checkbox"/> (a) New license <input type="checkbox"/> (b) Amendment to License No. _____ <input checked="" type="checkbox"/> (c) Renewal of License No. <u>STA-422</u> <input type="checkbox"/> (d) Previous License No. _____		2. NAME OF APPLICANT W. R. GRACE & Co. Davison Chemical Division	
4. STATE THE ADDRESS(ES) AT WHICH SOURCE MATERIAL WILL BE POSSESSED OR USED 868 Black Oak Ridge Road, Wayne, N. J.		3. PRINCIPAL BUSINESS ADDRESS Pompton Plains, N. J.	
5. BUSINESS OR OCCUPATION Chemical Manufacturer		6. (a) IF APPLICANT IS AN INDIVIDUAL, STATE CITIZENSHIP (b) AGE	
7. DESCRIBE PURPOSE FOR WHICH SOURCE MATERIAL WILL BE USED Thorium Ore processing			
Docket No. <u>40-86</u> Task No. <u>T01</u> Docketed <u>SEP 21 1957</u> <i>DJR</i>			
8. STATE THE TYPE OR TYPES, CHEMICAL FORM OR FORMS, AND QUANTITIES OF SOURCE MATERIAL YOU PROPOSE TO RECEIVE. POSSESS, USE, OR TRANSFER UNDER THE LICENSE			
(a) TYPE	(b) CHEMICAL FORM	(c) PHYSICAL FORM (Including % U or Th.)	(d) MAXIMUM AMOUNT AT ANY ONE TIME (in pounds)
NATURAL URANIUM			
URANIUM DEPLETED IN THE U-235 ISOTOPE			
THORIUM (ISOTOPE)	Insoluble salts	Monazite, Thorite, etc. up to 20% ThO2	Unlimited requested
(e) MAXIMUM TOTAL QUANTITY OF SOURCE MATERIAL YOU WILL HAVE ON HAND AT ANY TIME (in pounds) Requesting "Unlimited" per previous license dated 11/22/61			
9. DESCRIBE THE CHEMICAL, PHYSICAL, METALLURGICAL, OR NUCLEAR PROCESS OR PROCESSES IN WHICH THE SOURCE MATERIAL WILL BE USED INDICATING THE MAXIMUM AMOUNT OF SOURCE MATERIAL INVOLVED IN EACH PROCESS AT ANY ONE TIME, AND PROVIDING A THOROUGH EVALUATION OF THE POTENTIAL RADIATION HAZARDS ASSOCIATED WITH EACH STEP OF THOSE PROCESSES. See our application dated 2/11/60, and the amendments thereto dated 4/11, 6/20 and 7/29/1960, 7/3, 7/4, and 5/2/61, except to the extent that the application refers to superseded provisions of the Commissions Regulation 10CFR20. See also our letter to AEC dated 7/3/61, re: incineration of source material			
10. DESCRIBE THE MINIMUM TECHNICAL QUALIFICATIONS INCLUDING TRAINING AND EXPERIENCE THAT WILL BE REQUIRED OF APPLICANT'S SUPERVISORY PERSONNEL INCLUDING PERSON RESPONSIBLE FOR RADIATION SAFETY PROGRAM (OR OF APPLICANT IF APPLICANT IS AN INDIVIDUAL). See our letter to division of Licensing and Regulations dated 4/11 and 7/13/60, plus attachments. See previous AEC License STA-422 dated 11/22/61 and AEC letter dated 11/22/61, Docket No. 40-86			
11. DESCRIBE THE EQUIPMENT AND FACILITIES WHICH WILL BE USED TO PROTECT HEALTH AND MINIMIZE DANGER TO LIFE OR PROPERTY AND RELATE THE USE OF THE EQUIPMENT AND FACILITIES TO THE OPERATIONS LISTED IN ITEM 9: INCLUDE: (a) RADIATION DETECTION AND RELATED INSTRUMENTS (including film badges, dosimeters, counters, air sampling, and other survey equipment as appropriate. The description of radiation detection instruments should include the instrument characteristics such as type of radiation detected, window thickness, and the range(s) of each instrument). See 9 and 10 above			
(b) METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED IN (a) ABOVE, INCLUDING AIR SAMPLING EQUIPMENT (for film badges, specify method of calibrating and processing, or name supplier). See 9 and 10 above			

Regulatory Suppl File Cy.

9/25/67

ANNOUNCED

3421

UNITED STATES
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to any conditions specified below.

Licensee 1. Name W. R. Grace & Company Davison Chemical Division 2. Address P. O. Box 188 Pompton Plains, New Jersey		3. License No. STA-422, as renewed
		4. Expiration Date October 31, 1967
		5. Docket No. 40-86
6. Source Material Thorium	7. Maximum quantity of source material which licensee may possess at any one time under this license Unlimited	

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)

Thorium ore processing in accordance with the procedures described in the licensee's applications dated April 11, June 20, and July 29, 1960; July 3, July 5, and August 2, 1961; and September 18, 1964; except (1) as otherwise provided by conditions of this license and (2) that exemption or specific authorizations pursuant to Commission regulations are not authorized unless provided by conditions of this license.
9. Authorized Place of Use: The licensee's facility located at Pompton Plains, New, Jersey.
10. Pursuant to Sections 20.106(a) and 20.302, 10 CFR 20 the licensee is hereby authorized to incinerate source material in accordance with the procedures described in the licensee's letter dated July 3, 1961.

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Form FC-826
(10-24-55)

UNITED STATES OF AMERICA (ETATS-UNIS D'AMERIQUE)
DEPARTMENT OF COMMERCE (MINISTERE DU COMMERCE)
BUREAU OF FOREIGN COMMERCE (BUREAU DU COMMERCE EXTERIEUR)

FOR OFFICIAL USE ONLY
(Réserve au service administratif)

Import Certificate No. (Certificat d'importation No.)

NY3041 W G

IMPORT CERTIFICATE
(CERTIFICAT D'IMPORTATION)

(Declaration of Destination on Selected U. S. Imports)
(Déclaration de Destination concernant l'importation
aux Etats-Unis de certains Produits sélectionnés)

1. Name of U. S. importer or principal in the transaction

Address
(Street, City, Zone, State)
W. R. Grace & Company
P. O. Box 188
Pompton Plains, N. J. 07444

Not valid unless official seal of Department of Commerce appears in this space. (Non valide à moins qu'un sceau officiel du Département du Commerce ne soit apposé dans cet espace.)

NOTE

Read instructions on the reverse side before completing and submitting this form. (Lire les instructions au verso avant de remplir et de présenter la présente formule.)

Non de l'importateur ou du commettant des Etats-Unis figurant dans la transaction

This certificate is acceptable to the Foreign Government unless presented within 90 days from date of certification by Department of Commerce officials. (Le présent certificat ne sera pas accepté par le gouvernement étranger intéressé à moins d'être présenté dans les 90 jours qui suivront la date de la certification donnée par le fonctionnaire compétent du Ministère du Commerce.)

2. Foreign exporter's name and address (Nom et adresse de l'exportateur étranger)

Th. Goldschmidt A.G.
Postfach 17
Essen 1, Germany

3. Country of exportation (Pays d'exportation)
WEST Germany

4. Commodities to be imported (Produits devant être importés)

Quantity (Quantité) (a)	Commodity description (See Special Instructions for Item 4) Description des produits (Consultez les instructions spéciales pour question 4) (b)	Schedule A Number (Numéro de la liste A) U.S. D/O ANNO U.S. D/O ANNO NUMBER	Total price and point of delivery (Prix total et lieu de livraison) (d)
21 metric tons	Monazite Sand A.Z.C. License No. STA-422	6014500	\$3675.00 FOB Rotterdam

5. Representation and undertaking of U. S. importer or principal

The undersigned hereby represents that he has undertaken to import into the United States of America under a U. S. Consumption Entry or U. S. Warehouse Entry the commodities in quantities described above, or, if the commodities are not so imported into the United States of America, that he will not divert, transship, or reexport them to another destination except with explicit approval of the Bureau of Foreign Commerce. The undersigned also undertakes to notify the U. S. Department of Commerce immediately of any changes of fact or intention set forth herein. If a delivery verification is required, the undersigned also undertakes to obtain such verification and make disposition of it in accordance with such requirement.

Déclaration et engagement de l'importateur ou du commettant des Etats-Unis

Le soussigné déclare par les présentes qu'il a pris l'engagement d'importer aux Etats-Unis d'Amérique, en vertu d'une Déclaration américaine de Mise en Consommation, ou d'une Déclaration américaine d'Entrée en entrepôt, la quantité de produits ci-dessus, et que, dans le cas où ces produits ne seraient pas ainsi importés aux Etats-Unis d'Amérique, il ne les détournera, ne les transbordera, ni ne les réexportera à destination d'un autre lieu, si ce n'est avec l'approbation formelle du Bureau of Foreign Commerce. Le soussigné prend également l'engagement d'aviser le Ministère du Commerce des Etats-Unis de tous changements survenus quant aux faits ou à l'intention énoncés dans la présente déclaration. Si demande est faite d'une confirmation de la livraison, le soussigné prend également l'engagement d'obtenir cette confirmation et d'en disposer de la manière prescrite par cette demande.

Type or Print
(Prière d'écrire
à la machine ou
en caractères
d'imprimerie)

W. R. Grace & Co.

Name of Firm or Corporation
(Nom de la firme ou de la Société)

Type or Print
(Prière d'écrire
à la machine ou
en caractères
d'imprimerie)

Manager - Rare Earths

Name and Title of Authorized Official
(Nom et titre de l'agent ou employé autorisé)

9/25/67

Signature of Authorized Official
(Signature de l'agent ou employé autorisé)

Date of Signature
(Date de la signature)

FOR OFFICIAL USE ONLY (Réserve au service administratif)

Certification: This is to certify that the above declaration was made to the U. S. Department of Commerce through the undersigned designated official thereof and that a copy of this certificate is placed in the official files.

Certification: Il est certifié par les présentes que la déclaration ci-dessus a été faite au Ministère du Commerce des Etats-Unis par l'intermédiaire du fonctionnaire compétent soussigné, de ce Ministère et qu'une copie de ce certificat a été placée dans les archives officielles.

SEP 26 1967

Date (Date)

Designated Commerce Official (Fonctionnaire compétent du Ministère du Commerce)

A-1

Form FC-426 (10-24-53) UNITED STATES OF AMERICA (ETATS-UNIS D'AMERIQUE) DEPARTMENT OF COMMERCE (MINISTRE DU COMMERCE) BUREAU OF FOREIGN COMMERCE (BUREAU DU COMMERCE EXTERIEUR)	OFFICIAL USE ONLY (RESERVE DU SERVICE ADMINISTRATIF) Import Certificate No / Certificat d'importation No <p style="font-size: 2em; text-align: center;">NY3180LX MP</p>
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IMPORT CERTIFICATE
(CERTIFICAT D'IMPORTATION)

(Declaration of Destination on Selected U. S. Imports)
(Déclaration de Destination concernant l'importation aux Etats-Unis de certains Produits sélectionnés)

1. Name of U. S. importer or principal in the transaction
 Address (Street, City, Zone, State)
PHILIPP BROTHERS Division of Engelhard Minerals & Chemicals Corporation
299 Park Avenue
New York, New York 10017

Not valid unless official seal of Department of Commerce appears in this space. (Non valide à moins qu'un sceau officiel du Département du Commerce ne soit apposé dans cet espace.)

NOTE
 Read instructions on the reverse side before completing and submitting this form. (Lire les instructions au verso avant de remplir et de présenter la présente formule.) **6 MONTHS**
 This certificate not acceptable to the Foreign Government unless presented within 90 days from date of certification by Department of Commerce official. (Le présent certificat ne sera pas accepté par le gouvernement étranger intéressé à moins qu'il ne soit présenté dans les 90 jours suivant la date de la certification donnée par le fonctionnaire compétent du ministère du Commerce.)

2. Foreign exporter's name and address (Nom et adresse de l'exportateur étranger)
Malax Corp. Ltd.
2 Weld Road
Kuala Lumpur, Malaysia

3. Country of exportation (Pays d'exportation)
MALAYSIA

4. Commodities to be imported (Produits devant être importés)

Quantity (Quantité) (a)	Commodity description (See Special Instructions for Item 4) Description des produits (Consultez les instructions spéciales pour question 4) (b)	Schedule A Number (Numéro de la liste A) (c)	Total price and point of delivery (Prix total et lieu de livraison) (d)
220 Metric Tons	MALAYSIAN MORGANITE SAND	U.S.I.D. #601.4500	\$33,000.00 CIF CHARLESTON S. C.
This Import Certificate replaces Import Certificate No. NY3180LX dated Nov. 7, 1967 which is considered cancelled. <div style="text-align: right; margin-top: 10px;"> <i>E.A. Norbone</i> 11/24/67 </div>			

5. Representation and undertaking of U. S. importer or principal

The undersigned hereby represents that he has undertaken to import into the United States of America under a U. S. Consumption Entry or U. S. Warehouse Entry the commodities in quantities described above, or, if the commodities are not so imported into the United States of America, that he will not divert, transship, or reexport them to another destination except with explicit approval of the Bureau of Foreign Commerce. The undersigned also undertakes to notify the U. S. Department of Commerce immediately of any changes of fact or intention set forth herein. If a delivery verification is required, the undersigned also undertakes to obtain such verification and make disposition of it in accordance with such requirement.

Déclaration et engagement de l'importateur ou du commettant des Etats-Unis

Le soussigné déclare par les présentes qu'il a pris l'engagement d'importer aux Etats-Unis d'Amérique, en vertu d'une Déclaration américaine de Mise en Consommation, ou d'une Déclaration américaine d'Entrée en entrepôt, la quantité de produits ci-dessus, et que, dans le cas où ces produits ne seraient pas ainsi importés aux Etats-Unis d'Amérique, il ne les détournera, ne les transbordera, ni ne les réexportera à destination d'un autre lieu, si ce n'est avec l'approbation formelle du Bureau of Foreign Commerce. Le soussigné prend également l'engagement d'aviser le Ministère du Commerce des Etats-Unis de tous changements survenus quant aux faits ou à l'intention énoncés dans la présente déclaration. Si demande est faite d'une confirmation de la livraison, le soussigné prend également l'engagement d'obtenir cette confirmation et d'en disposer de la manière prescrite par cette demande.

Type or Print (Prière d'écrire à la machine ou en caractères d'imprimerie) Engelhard Minerals & Chemicals Corporation Name of Firm or Corporation (Nom de la firme ou de la Société)	Type or Print (Prière d'écrire à la machine ou en caractères d'imprimerie) II. Feingold Name and Title of Authorized Official (Nom et titre de l'agent ou employé autorisé)
Signature of Authorized Official (Signature de l'agent ou employé autorisé)	Date of Signature (Date de la signature) November 6, 1967

FOR OFFICIAL USE ONLY (Réservé au service administratif)

Certification: This is to certify that the above declaration was made to the U. S. Department of Commerce through the undersigned designated official thereof and that a copy of this certificate is placed in the official files. Date (Date) Nov 24 1967	Certification: Il est certifié par les présentes que la déclaration ci-dessus a été faite au Ministère du Commerce des Etats-Unis par l'intermédiaire du fonctionnaire compétent soussigné et que le double de ce certificat est placé dans les archives officielles. Designated Commerce Official (Fonctionnaire compétent du Ministère du Commerce) <i>E.A. Norbone</i>
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SOURCE

MATERIAL LICENSE

License Number STA-422, as renewed

Supplementary Sheet

11. The licensee is hereby exempt from the requirements of Section 20.203(e)(2) and 20.203(f)(2), 10 CFR 20, for areas and containers within his plant provided all entrances to the plant are conspicuously posted in accordance with Section 20.203(e)(2) and with the words, "Any area or container within this plant may contain radioactive material."

For the U. S. Atomic Energy Commission

Date OCT 12 1954

by _____

Division of Licensing and Regulation
Washington 25, D. C.