

State of Idaho

Department of State

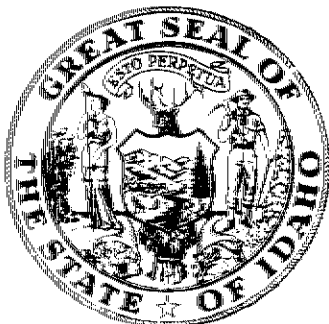
CERTIFICATE OF AUTHORITY OF

AIR LIQUIDE ELECTRONICS CHEMICALS & SERVICES, INC.
File number C 120850

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of an Application of AIR LIQUIDE ELECTRONICS CHEMICALS & SERVICES, INC. for a Certificate of Authority to transact business in this State, duly signed and verified pursuant to the provisions of the Idaho Business Corporation Act, have been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Authority to AIR LIQUIDE ELECTRONICS CHEMICALS & SERVICES, INC. to transact business in this State under the name AIR LIQUIDE ELECTRONICS CHEMICALS & SERVICES, INC. and attach hereto a duplicate original of the Application for such Certificate.

Dated: September 12, 1997



Pete T. Cenarrusa
SECRETARY OF STATE

By

[Signature]

APPLICATION FOR CERTIFICATE OF AUTHORITY (For Profit)

To the Secretary of State of Idaho

The undersigned Corporation applies for a Certificate of Authority and states as follows:

1. The name of the corporation is Air Liquide Electronics Chemicals & Services, Inc.
2. The name which it shall use in Idaho is _____
3. It is incorporated under the laws of Delaware
4. Its date of incorporation is 5/22/96 and its duration, if other than perpetual, is Perpetual
5. The address of its principal office in the state or country under the laws of which it is incorporated is
1209 Orange Street, Wilmington, Delaware 19801
6. The address to which correspondence should be addressed, if different than item 5, is
2700 Post Oak Blvd., Houston, Texas 77056
7. The street address of its registered office in Idaho is 300 North 6th Street, Boise, Idaho 83701
and its registered agent in Idaho at that address is C T Corporation System
8. The purpose or purposes which it is proposed to pursue in the transaction of business in Idaho are:
The purpose of the corporation is to engage in any lawful act or activity, for which corporations may be organized to do business under the laws of Idaho.
9. The names and respective addresses of its directors and officers are:

Name	Office	Address
<u>John N. Baird</u>	<u>Secretary and Director</u>	<u>2700 Post Oak Blvd., Houston, Texas 77056</u>
<u>Leslie G. Polgar</u>	<u>Director</u>	<u>2700 Post Oak Blvd., Houston, Texas 77056</u>
<u>L. Kent Tayler</u>	<u>Director</u>	<u>2700 Post Oak Blvd., Houston, Texas 77056</u>
<u>Patrick Verschelde</u>	<u>President and Director</u>	<u>2700 Post Oak Blvd., Houston, Texas 77056</u>
<u>Gregory B. Alexander</u>	<u>Treasurer</u>	<u>2700 Post Oak Blvd., Houston, Texas 77056</u>

10. The corporation accepts and shall comply with the Constitution and the laws of the State of Idaho.

Dated: 4-2-97

Air Liquide Electronics Chemicals & Services, Inc.

(Corporation name)

By: 

Its President, Vice-President, Secretary or Assistant Secretary.

(please specify)

John N. Baird

IDAHO SECRETARY OF STATE

Secretary of State use only

09/12/1997 09:00

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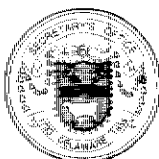
Office of the Secretary of State

97 SEP 12 PM 12:59
SECRETARY OF STATE
STATE OF IDAHO

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "AIR LIQUIDE ELECTRONICS CHEMICALS & SERVICES, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE EIGHTH DAY OF SEPTEMBER, A.D. 1997.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL REPORTS HAVE BEEN FILED TO DATE.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE BEEN PAID TO DATE.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

2620284 8300

AUTHENTICATION:

8640080

971298570

DATE:

09-08-97