

EXPORT LICENSE

NRC FORM 250

NRC LICENSE NO.: XMAT429/03

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NRC DOCKET NO.: 11006116

LICENSE EXPIRES: December 31, 2024



United States of America  
Nuclear Regulatory Commission  
Washington, D.C. 20555

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission (NRC) issued pursuant thereto, and in reliance on the statements and representations herefore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

LICENSEE

Matheson Tri-Gas, Inc.  
6775 Central Avenue  
Newark, CA 94560

Attn: Samarattra Wilmore

ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)

See following page(s)

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)

See following page(s)

OTHER U.S. PARTY(IES) TO EXPORT

See following page(s)

APPLICANT'S REFERENCE: MGPK1020TNST1020

ULTIMATE DESTINATIONS: Republic or Korea and Taiwan

QUANTITY(IES)

DESCRIPTION OF MATERIAL(S) OR FACILITY(IES)

This license is amended to: 1) change the licensee point of contact; 2) change the address of a U.S. party to the export; 3) update the address of an ultimate consignee in the Republic of Korea; and 4) extend the date of expiration from December 31, 2020, to December 31, 2024.

The licensee is authorized to export a cumulative total of 2,800 kilograms of deuterium gas (heavy hydrogen). The cumulative total starts from the issuance of the original export license, XMAT429.

All other conditions remain the same.

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE

SIGNATURE:

Peter J. Habighorst  
Digitally signed by Peter J. Habighorst  
Date: 2020.12.07 19:57:43 -05'00'

NAME AND TITLE:

Peter J. Habighorst, Acting Deputy  
Director Office of International Programs

DATE OF ISSUANCE:

December 7, 2020

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):**

1. Samsung  
416 Maetan 3-dong  
Yeongtong-gu, Suwon-si  
Gyeonggi-do  
Republic of Korea  
  
(for non-nuclear end use in semiconductor devices)
2. SK Hynix  
2091, Gyeongchung-daero  
Bubal-eup, Lcheon-si  
Gyeonggi-do  
Republic of Korea  
  
(for non-nuclear end use in semiconductor devices)
3. Taiwan Semiconductor Manufacturing  
Company Ltd. (TSMC)  
No. 8, Li-Hsin Road VI  
Hsinchu Science Park  
Hsinchu 300-78  
Taiwan  
  
(for non-nuclear end use in semiconductor devices)
4. United Microelectronics Corporation (UMC)  
No. 3, Li-Hsin 2<sup>nd</sup> Road  
Hsinchu Science Park  
Hsinchu 300-78  
Taiwan  
  
(for non-nuclear end use in semiconductor devices)

**INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):**

1. Matheson Gas Products Korea Co., Ltd., (MGPK)  
94, Eumbongmyeon Road  
Eumbong-Myeon  
Asan-si 336864  
Republic of Korea  
  
(storage)
2. Taiyo Nippon Sanso Taiwan Inc. (TNST)  
5F-1, No. 1 SEC 3 Gongdao 5<sup>th</sup> Road  
East District  
Hsinchu City 30069  
Taiwan  
  
(storage)

**OTHER U.S. PARTY(IES) TO EXPORT:**

1. Matheson Tri Gas, Inc.  
6775 Central Avenue  
Newark, CA 94560  
(supplier)
  
2. Matheson Tri-Gas, Inc.  
1700 Scepter Road  
Waverly, TN 37185  
(supplier)