

EXPORT LICENSE

NRC FORM 250
(10-07)

UNITED STATES OF AMERICA

**Nuclear Regulatory Commission
Washington, D.C. 20555**


NRC LICENSE NO.: **XMAT429/01**

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DOCKET NO.: **11006116**

LICENSE EXPIRES: **December 31, 2018**

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 issued pursuant thereto, and in reliance on statements and representations heretofore 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.

<p style="text-align: center;">LICENSEE</p> <p>Matheson Tri Gas, Inc. 6775 Central Avenue Newark, CA 94560</p> <p>Attn: Karon Giovannoni</p>	<p style="text-align: center;">ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p style="text-align: center;">See Page 2</p> <p>(For non-nuclear end use in semiconductor devices)</p>
<p style="text-align: center;">INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p style="text-align: center;">See Page 2</p> <p>(Storage)</p>	<p style="text-align: center;">OTHER U.S. PARTY(IES) TO EXPORT</p> <p style="text-align: center;">See Page 3</p> <p>(Supplier)</p>
<p>APPLICANT'S REFERENCE NO.: MGPK0113-TNST0114</p>	
<p style="text-align: right;">ULTIMATE DESTINATION: Republic of Korea and Taiwan</p>	
<p style="text-align: center;">QUANTITY</p>	<p style="text-align: center;">DESCRIPTION OF MATERIALS OR FACILITIES</p> <p>The licensee is authorized to export a cumulative total of 2,800 kilograms of deuterium gas (heavy hydrogen).</p> <p>The license is amended to: 1) increase the total quantity of deuterium gas authorized for export from 2,400 kilograms to a new cumulative total of 2,800 kilograms; 2) add three entities to "Ultimate Consignee(s) In Foreign Country(ies)"; 3) add one entity to "Intermediate Consignee(s) in Foreign Country(ies)"; and 4) extend the expiration date from December 31, 2016 to December 31, 2018.</p> <p>All other conditions remain the same.</p>
<p>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.</p> <p>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 of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.</p>	
<p>THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</p> <p>SIGNATURE: </p> <p>NAME AND TITLE: David L. Skeen, Deputy Director Office of International Programs</p> <p>DATE OF ISSUANCE: August 22, 2014</p>	

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ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)

(For non-nuclear end use in semiconductor devices)

- 1. SK Hynix
San 136-1 Ami-ri
Bubal-eup, Lcheon-si
Gyeonggi-do
Republic of Korea**
- 2. Samsung
416 Maetan 3-dong
Yeongtong-gu, Suwon-si
Gyeonggi-do
Republic of Korea**
- 3. Taiwan Semiconductor Manufacturing
Company Ltd. (TSMC)
No. 8, Li-Hsin Road VI
Hsinchu Science Park
Hsinchu 300-78
Taiwan**
- 4. United Microelectronics Corporation (UMC)
No. 3, Li-Hsin 2nd Road
Hsinchu Science Park
Hsinchu 300-78
Taiwan**

INTERMEDIATE FOREIGN CONSIGNEE(S): (Cont'd)

(Storage)

- 1. Matheson Gas Products Korea
91-1 Samgeo-ri Umbong-myun
Asan-si
Chungnam 336-864
Republic of Korea**
- 2. Taiyo Nippon Sanso Taiwan Inc (TNST)
4f-1-No 25 Pu-Ding Road
Hsin-Chu Shih
HsinChu
Taiwan**

OTHER U.S. PARTY(IES) TO THE EXPORT: (Cont'd)

(Supplier)

- 1. Matheson Tri Gas, Inc.
1650 Enterprise Parkway
Twinsburg, OH 44087**
- 2. Matheson Tri Gas, Inc.
200 Matheson Gas Co. Lane
New Johnsonville, TN 37314**

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