

AAA MOLYBDENUM PRODUCTS, INC.

MOLYBDENUM AND RHENIUM CHEMICALS FOR INDUSTRY

Safety Data Sheet

Version: 1.0

Revision Date: 05/05/2014

1. Product and Company Identification

Product Name: Ammonium Perrhenate
Catalog Number: 2010

Chemical Name: Ammonium Perrhenate
Synonyms: Ammonium Rhenium Salt, Ammonium Rhenate, Ammonium Rhenium Oxide
Formula: NH_4ReO_4
CAS Number: 13598-65-7

Manufacturer: AAA Molybdenum Products, Inc.
Address: 7233 W. 116th Place, Broomfield, CO 80020
Phone: 303-460-0844
Fax: 303-460-0851

Transportation Emergency Contact Information: 800-424-9300 CHEMTREC

2. Hazards Identification

GHS Classification

Specific target organ toxicity – single exposure (Category 3)

Pictogram:



Signal Word: WARNING

Hazard Statement

H335 May cause respiratory irritation

Precautionary Statement

P210 Keep away from heat
P261 Avoid breathing dust/fume/gas/mist/vapors/spray

3. Composition/Information on Ingredients

Component	CAS Number	Weight %
Ammonium Perrhenate	13598-65-7	100.00

4. First Aid Measure

- Eye:** Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.
- Skin:** Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.
- Inhalation:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Get medical attention.
- Ingestion:** Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.
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5. Fire Fighting Measures

Negligible fire hazard when exposed to heat or flame.

6. Accidental Release Measures

For spills, sweep up with a minimum amount of dusting and place into a suitable clean, dry container for reclamation or later disposal. Avoid dust formation. Residue should be cleaned up using a high-efficiency particulate filter.

7. Handling and Storage

Storage

Store in a clean, cool area and away from sources of heat. Ammonium Perrhenate may be stored in glass, plastic, or steel containers.

Handling

Use in a well ventilated area. Avoid dust formation.

8. Exposure Controls and Personal Protection

Because Ammonium Perrhenate is of a very low order of toxicity special protection is not necessary beyond those normally employed for any chemical or material of low toxicity.

9. Physical and Chemical Properties

Ammonium Perrhenate

Formula Weight: 268.24
Specific Gravity: 3.97
Melting Point: Decomposes at 365 °C
Boiling Point: N/A
Solubility: Water soluble, 6.1 g/100ml (20 °C)
Appearance: White Crystalline Powder
Odor: Possible slight odor of Ammonia to odorless
pH: 7, 5% aqueous solution

Flashpoint: None
Autoignition Temperature: None
Vapor Pressure: N/A

Lower Flammability Limit: N/A
Upper Flammability Limit: N/A

10. Stability and Reactivity

Stability/Incompatibility

No stability/incompatibility concerns. Stable under ambient temperatures and pressures.

Hazardous Reactions/Decomposition Products

Thermal decomposition products may include: Ammonia and fumes of Rhenium Heptoxide (Re₂O₇).

11. Toxicological Information

Carcinogen Status: None
Acute Toxicity Level: No data available
Target Effects: No data available
Acute Exposure: May cause irritation to eyes, skin, respiratory tract and gastrointestinal system.
Chronic Exposure: No data available

12. Ecological Information

Environmental Impact Rating (0-4):	No data available
Acute Aquatic Toxicity:	No data available
Degradability:	No data available
Log Bioconcentration Factor (BCF):	No data available
Log Octanol/Water Partition Coefficient:	No data available

13. Disposal Considerations

Do not discharge to sewer or natural waters or drainages. While Ammonium Perrhenate is generally considered non-hazardous, disposal must be made in accordance with EPA and/or state and local regulations. Ammonium Perrhenate is not a listed hazardous waste.

14. Transport Information

U.S. Department of Transportation (DOT)

Hazard Class:	NONE
UN/NA Number:	NONE
Packing Group:	N/A
Labels Required:	NONE

15. Regulatory Information

Reported in EPA TSCA Inventory

Cercla Section 103 (40CFR302.4):	No
SARA Section 302 (40CFR355.30):	No
SARA Section 304 (40CFR355.40):	No
SARA Section 313 (40CFR372.65):	No
OSHA Process Safety (20CFR1410.119):	No

16. Other Information

The data in this Safety Data Sheet applies only to the specific material noted herein and does not apply to any other materials or combination of materials with this or any other product. The information provided herein is based on technical data and sources AAA MOLYBDENUM PRODUCTS, INC. believes reliable. AAA MOLYBDENUM PRODUCTS, INC. makes no warranties, expressed or implied, and assumes no responsibility or liability in connection with the use of the material described or the information contained herein.

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This Safety Data Sheet is composed in accordance with AAA MOLYBDENUM PRODUCTS, INC. understanding of ISO 11014 standards for Safety Data Sheets.

