

**GULF ENGINEERING COMPANY, LLC
WATER MANAGEMENT DIVISION**

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**MOLYBDATE REAGENT
CODE 8836**

MATERIAL SAFETY DATA

**EMERGENCY TELEPHONE NUMBER
CHEMTREC 1-800-424-9300**

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PRODUCT INFORMATION

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**Trade Name: MOLYBDATE REAGENT, GESSCO CODE 8836
Formula: H₂MoO₄ & H₂SO₄
Chemical Names/Synonyms: Molybdic Acid & Sulfuric Acid
DOT Shipping Name: Sulphuric acid, with not more than 51% acid, 8, UN2796, PGII
DOT Hazard Class: 8, CORROSIVE**

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PHYSICAL DATA (TYPICAL)

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**Appearance: Colorless, water-like liquid pH: N/A
Odor: Odorless Solubility in Water: Complete
Specific Gravity (H₂O= 1): 1.05 Boiling Point: 215°F**

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HAZARD INGREDIENTS

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<u>Components</u>	<u>%</u>	<u>TLV</u>
Sulfuric Acid	4.5	1 mg/m ³

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FIRE AND EXPLOSION DATA

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**Flash Point (method): N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: Reacts violently with water; generates hazardous acid fumes; generates explosive hydrogen gas on contact with metals.**

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HEALTH HAZARD DATA

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Effects of Overexposure: Contact to the skin and eyes can cause serious damage. Inhalation can cause respiratory difficulty and damage to the lungs; severe exposure can cause death. Ingestion can cause irritation and burns of the mouth and esophagus.

EMERGENCY FIRST AID PROCEDURES:

Eyes: Flush thoroughly with water for 15-20 minutes and get medical attention, immediately.

Skin: Remove contaminated clothing, flush thoroughly with water and get medical attention.

INGESTION: Give copious quantities of water, do not induce vomiting, and get medical attention immediately.

INHALATION: Remove to fresh air and get medical attention.

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REACTIVITY DATA

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STABILITY: Stable in container, but can react violently or release dangerous gas on contact with some materials.

INCOMPATIBILITY: Can react violently with metals. May cause combustion with wood, paper, oil, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Material generates hazardous acid fumes; contact with metals may produce explosive hydrogen gas.

Hazardous Polymerization: Will not occur.

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SPILL OR LEAK PROCEDURES

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Steps to be taken in event material is released or spilled: Ventilate the area, carefully dilute with water, neutralize with soda ash, and flush to drain or absorb with vermiculite or sand (not sawdust) and neutralize with soda ash.

Waste Disposal Method: After neutralization, absorbent may be put to trash or liquid may be flushed to drain.

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SPECIAL PROTECTION INFORMATION

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Specific Personal Protective Equipment:

EYES: Wear splash proof goggles.

SKIN: Use acid-proof gloves.

RESPIRATORY: Avoid breathing vapors.

OTHER: N/A

Ventilation Requirements: Use adequate ventilation to maintain TLV.

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SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container tightly closed.

OTHER PRECAUTIONS: N/A

Information and data herein are believed to be accurate and compiled from reliable sources. Buyer assumes all risk of use, storage, and handling to comply with State, Federal and Local regulations. Gessco Chemical Division makes no warranty express or implied concerning the accuracy or completeness of the information supplied.

The fourth digit of the code number designates package size:

GESSCO CODE 8836 – QUART BOTTLE