

GULF ENGINEERING COMPANY, INC.

WATER MANAGEMENT DIVISION

611 HILL STREET

JEFFERSON, LA 70121

(504) 602-1824

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MATERIAL SAFETY DATA

SODIUM NITRITE TITRANT

CODE 810*

EMERGENCY TELEPHONE NUMBER

Chemtrec 1-800-424-9300

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PRODUCT IDENTIFICATION

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TRADE NAME: SODIUM NITRITE TITRANT – GESSCO CODE 810*

FORMULA: $Ce(NH_4)_4 \cdot 2H_2O + H_2SO_4$

CHEMICAL NAMES/SYNONYMS: Ceric Ammonium Sulfate & Sulfuric Acid

DOT SHIPPING NAME: Sulfuric 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: Orange Liquid

pH: N/A

ODOR: Odorless

Solubility in water: Complete

SPECIFIC GRAVITY (H₂O = 1) N/D

Boiling Water: N/D

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HAZARDOUS INGREDIENTS

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COMPONENTS	%	TLV
Ceric Ammonium Sulfate	6.0	Not Determined
Sulfuric Acid	5.0	5 mg/m³

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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: N/D

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HEALTH HAZARD DATA

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EFFECTS OF OVEREXPOSURE: Contact with the skin could cause irritating or burning sensation. Direct eye contact could cause severe damage. Sulfuric acid can cause severe damage. Sulfuric acid can cause respiratory problems when levels reach the TLV.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush thoroughly with water and get medical attention.
SKIN: Remove all contaminated clothing and flush with water.
INGESTION: Do not induce vomiting, give milk of magnesia, milk, and egg whites.
Get medical attention immediately.
INHALATION: Remove to fresh air.

REACTIVITY DATA

STABILITY: Stable**INCOMPATIBILITY:** Metals and combustibles, such as wood, paper, oil, etc.**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen gas could be produced by contact with metals.**HAZARDOUS POLYMERIZATION:** Will not occur.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN EVENT MATERIAL IS RELEASED OR SPILLED: Flush to sewer.**WASTE DISPOSAL METHOD:** Flush to sewer.

SPECIAL PROTECTION INFORMATION

Specific Personal Protective Equipment

EYES: Wear safety glasses or goggles.
SKIN: Wear gloves.
RESPIRATORY: Not required.
OTHER: N/A

VENTILATION REQUIREMENTS: Use adequate ventilation to maintain the TLV.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed when not in used.**OTHER PRECAUTIONS:** None

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**The fourth digit of the code number designates package size:

GESSCO 8102 – 2 Ounce Bottle

GESSCO 8104 – 8 Ounce Bottle