

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

**611 HILL STREET
JEFFERSON, LA 70121
(504) 602-1824
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**1:1 HYDROCHLORIC ACID
CODE 850***

MATERIAL SAFETY DATA

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

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PRODUCT INFORMATION

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Trade Name: 1:1 HYDROCHLORIC ACID, GESSCO CODE 850*

Formula: HCl

Chemical Names/Synonyms: Hydrochloric acid, 1:1

DOT Shipping Name: Hydrochloric acid, solution, 8, Corrosive, UN1789, PGII

DOT Hazard Class: 8, CORROSIVE

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PHYSICAL DATA (TYPICAL)

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Appearance: Colorless, water- like liquid

pH: <1

Odor: Pungent vapors

Solubility in Water: Complete

Specific Gravity (H₂O= 1) 1.1

Boiling Point: 230°F

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HAZARD INGREDIENTS

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<u>Components</u>	<u>%</u>	<u>TLV</u>
Hydrochloric Acid	18.0	5ppm

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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: Heated liquid will produce additional vapors-
provide respiratory protection.**

**Unusual Fire and Explosion Hazards: Contact with metals will produce flammable
and explosive hydrogen gas.**

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HEALTH HAZARD DATA

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Effects of Overexposure: Vapors can cause irritation of the upper respiratory tract.

Contact with skin or eyes cause irritation and burns.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes and get medical attention.

SKIN: Flush skin with copious amounts of water and get medical attention.

INGESTION: Do not induce vomiting. Give milk of magnesia in water, then milk or egg whites beaten in water.

INHALATION: Remove to fresh air.

REACTIVITY DATA

Stability: Stable in container, when opened, emits hazardous vapors.

Incompatibility: Avoid contact with metals and alkali.

Hazardous Decomposition Products: N/D

Hazardous Polymerization: Will not occur.

SPILL OR LEAK PROCEDURES

Steps to be taken in event material is released or spilled: Ventilate; neutralize with soda ash, or absorb with inert material.

Waste Disposal Method: Flush neutralized solution to sewer, if appropriate. Absorbed material can be neutralized, then incinerated or buried.

SPECIAL PROTECTION INFORMATION

Specific Personal Protective Equipment

EYES: Wear splash-proof goggles

SKIN: Wear rubber or plastic gloves

RESPIRATORY: Avoid breathing vapors

OTHER: N/A

Ventilation Requirements: Use adequate ventilation to meet TLV.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with liquid or vapors.

OTHER PRECAUTIONS: Avoid heat or contact with metals.

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****THE FOURTH DIGIT OF THE CODE NUMBER DESIGNATES PACKAGE SIZE:**

GESSCO CODE 8502 – 2 OUNCE BOTTLE

GESSCO CODE 8505 – PINT BOTTLE

GESSCO CODE 8506 – QUART BOTTLE