

MATERIAL SAFETY DATA SHEET
Hi-Tech Antifreeze

HAZARD RATING: HEALTH 3 FIRE 1 REACTIVITY 0

0=LEAST TO 4=EXTREME

SECTION I. IDENTIFICATION

COMPANY NAME.....Gulf Coast Chemical, Inc.
220 Jacquelyn Street
Abbeville, LA 70510

PHONE NUMBER.....Customer Service (Info. Only):
318-898-0213

EMERGENCY NUMBER.....CHEMTREC: 800-424-9300

REVISED DATE.....June 9, 1998

REPLACES DATE.....April 22, 1996

SECTION II. INFORMATION ON INGREDIENTS

The criteria for listing components in this section is as follows: chronic hazards (carcinogenic, teratogenic, mutagenic, neurotoxic, and sensitizers) are listed when present at 0.01% or greater and acute hazards are listed when present at 1.0% or greater. This is not intended to be a complete compositional disclosure.

COMPONENT	CAS	TLV
ETHYLENE GLYCOL	107-21-1	OSHA/STEL 50 ppm (Ceiling) ACGIH/STEL 50 ppm (Ceiling)

SECTION III. PHYSICAL DATA

BOILING POINT... 330-340°F	SPECIFIC GRAVITY... 1.1373
APPEARANCE...Green, Slightly Viscous Liquid	ODOR...Mild Odor
SOLUBILITY IN WATER...Complete	pH...10.5 - 11.0

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SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT...246°F

EXTINGUISHING MEDIA...Use water fog, alcohol foam, dry chemical or CO2.
Do not use a direct water stream.

FIRE FIGHTING PROCEDURES...Material will not burn unless preheated. Do
not enter confined fire space without full
bunker gear including a positive pressure NIOSH
approved self-contained breathing apparatus.
Cool fire exposed containers with water.

UNUSUAL FIRE HAZARDS...Ethylene Glycol mist in air is a moderate fire and
explosion hazard.

SECTION V. REACTIVITY DATA

CHEMICAL STABILITY...Stable

CONDITIONS TO AVOID...Oxidizing agents.

INCOMPATIBLE MATERIALS...Keep away from strong oxidizing agents.

DECOMPOSITION PRODUCTS...Carbon monoxide and unidentified organic
compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION...Will not occur.

SECTION VI. HEALTH HAZARD DATA

ROUTES OF ENTRY...N/D

ACUTE...N/D

CHRONIC...N/D

CARCINOGENICITY

NTP? No

IARC MONOGRAPHS? No

OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE

Irritation as noted. Early to moderate CNS depression may be evidenced
by giddiness, headache, dizziness and nausea. In extreme cases,
unconsciousness and death may occur. Kidney damage may be evidenced by
changes in urine output, urine appearance or edema (swelling from fluid
retention). Liver damage may be evidenced of loss of appetite, jaundice
(yellowish skin color) and sometimes pain in the upper abdomen on the
right side.

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FIRST AID PROCEDURES

EYE CONTACT...Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT...Flush skin with water. If irritation occurs, get medical attention.

INGESTION...If ingested, IMMEDIATELY CALL Poison Control Center, emergency room or physician.

INHALATION...Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

SECTION VII. SPILL OR LEAK PROCEDURE

FOR SPILL...May burn although not readily ignitable. Use cautious judgment when cleaning up large spills. LARGE SPILLS - wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay and/or other suitable material. Dispose of properly. Flush area with water to remove trace residue. SMALL SPILLS - take up with an absorbent material and dispose of properly

FOR WASTE DISPOSAL...Dike area to contain spill. Prevent liquid from entering sewers, water ways or low areas. Recover liquid for reuse or reclamation. Recover spilled material with absorbent material and place in approved containers for disposal. Do not flush to sewer.

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

RESPIRATORY PROTECTION...Use MSHA/NIOSH approved respiratory protection equipment - air purifying for dusts and mists in combination with organic vapor cartridges; air supplied - if other protective measures do not adequately control exposures to vapors and/or mists. For emergencies and unknown concentrations, use positive pressure self-contained breathing apparatus.

VENTILATION...Use ventilation as required to control vapor concentrations.

SKIN PROTECTION...Avoid prolonged or repeated contact with skin. Wear chemical resistant gloves and other clothing as required to minimize contact. Test data from published literature and/or glove and clothing manufacturers indicate the best protection is provided by Nitrile, PVC or rubber gloves.

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EYE PROTECTION...Avoid contact with eyes. Wear chemical goggles if there is a likelihood of contact with eyes.

OTHER PROTECTIVE EQUIPMENT...Emergency eyewash fountains and safety showers should be available in the vicinity of any potential exposure. Clothing which becomes contaminated with this product should be removed and laundered before being reworn.

HANDLING...Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse.

STORAGE.. Store in a cool, dry place with adequate ventilation. Keep away from flames and high temperatures.

PRECAUTIONARY MEASURES...N/D

SECTION IX. TRANSPORTATION INFORMATION

HAZARD CLASS...Non-Hazardous

DOT SHIPPING NAME...Hi-Tech Antifreeze

UN/NA NUMBER...None

PACKING GROUP...None

DOT REPORTABLE QUANTITY...5,263 pounds based on Ethylene Glycol in blend

OTHER REQUIREMENTS...Regulated only in packages that contain 5000 pounds or greater of Ethylene Glycol.

SECTION X. OTHER DATA

EPA HAZARD CATEGORIES...Acute
Chronic

CERCLA RQ...5,263 pounds based on Ethylene Glycol in blend

SARA TITLE III SECTION 302

RQ...None

TEQ...None

SARA TITLE III SECTION 313

COMPONENT	CAS	% WT
Ethylene Glycol	107-21-1	90 - 95%

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PREPARED BY...Gulf Coast Chemical, Inc.
Technical Department

FOOTNOTES:

N/A - Not Applicable
App.- Approximate
< - Less Than

N/D - No Data
Est.-Estimate
> - Greater Than

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