

ETHYL CORP -- HITEC 580 PERFORMANCE ADDITIVE

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MSDS Safety Information  
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FSC: 6850  
NIIN: 01-180-1074  
MSDS Date: 02/23/1999  
MSDS Num: CJXYC  
Product ID: HITEC 580 PERFORMANCE ADDITIVE  
MFN: 01  
Responsible Party  
Cage: 95643  
Name: ETHYL CORP  
Address: 330 S 4TH ST  
Box: 2189  
City: RICHMOND VA 2321  
9-2189  
Info Phone Number: 804-788-5000  
Emergency Phone Number: 1(800)325-7079

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Item Description Information  
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Item Manager: S9G  
Item Name: INHIBITOR,CORROSION,PETROLEUM FUEL  
Specification Number: MIL-I-25017  
Unit of Issue: GL  
UI Container Qty: 0  
Type of Container: CAN

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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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LD50 LC50 Mixture: ORAL LD50 (RAT): 12,000 MG/KG  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: EYES: NOT EXPECTED TO BE AN EYE IRRITANT. INHALATION OF  
VAPORS OR OIL MIST MAY CAUSE RESPIRATORY RESPIRATION. SKIN: REPEATED OR  
PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS OR DEFATTI

INGESTION: AS

ASPIRATION IS EXPECTED TO CAUSE LUNG INJURY. CHRONIC: REPEATED INGESTION OF A COMPONENT IN THIS PRODUCT HAS NOT BEEN SHOWN TO CAUSE LIVER & KIDNEY DAMAGE BUT A MEMBER OF THE SAME CHEMICAL FAMILY HAS BEEN REPORTED BY HEALTH CANADA TO CAUSE LIVER & KIDNEY DAMAGE. A COMPONENT DID NOT CAUSE SKIN IRRITATION BUT A MEMBER OF THE SAME CHEMICAL FAMILY DID CAUSE SENSITIZATION IN LAB ANIMALS.

Explanation Of Carcinogenicity: NO INGREDIENT AT A CONCENTRATION GREATER THAN OR EQUAL TO 0.1% IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure: INHALATION : RESPIRATORY IRRITATION. SKIN: DERMATITIS, DEFATTING. INGESTION: POSSIBLE LUNG INJURY FROM ASPIRATION. EYES: NONE EXPECTED.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INHALED: REMOVE TO FRESH AIR. SEEK MEDICAL ADVICE. EYES: BEGIN IMMEDIATE EYE IRRIGATION WITH COOL WATER. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN

UTES WHILE REMOVING CLOTHING AND SHOES. FOLLOW UP WITH SOAP & WATER WASH AS SOON AS POSSIBLE. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. INGESTION: GIVE TWO GLASSES WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, HAVE VICTIM LEAN OVER TO AVOID ASPIRATION. SEEK MEDICAL ADVICE.

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Handling and Disposal  
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Spill Release Proc

cedures: CONTAIN ANY SPILLS WITH DIKES OR ABSORBENTS TO PREVENT MIGRATION AND ENTRY INTO SEWERS OR STREAMS. TAKE UP SMALL SPILLS WITH DRY CHEMICAL ABSORBENT. LARGE SPILLS MAY BE TAKEN UP WITH PUMP OR VACUUM & FINISHED OFF WITH DRY CHEMICAL ABSORBENT. MAY REQUIRE EXCAVATION OF CONTAMINATED SOIL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: AS A WASTE, THIS PRODUCT WOULD BE CONSIDERED A NON-HAZARDOUS WASTE UNDER FEDERAL REGULATIONS IN EFFECT AS OF THIS MSDS ISSUE

DATE. THIS DISPOSAL METHOD AND MANNER SHOULD BE ACCEPTABLE TO GOOD WASTE MANAGEMENT PRACTICES AND LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions: STORE CONTAINERS IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE ONLY WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS OPEN FLAMES AND FIRE.

Other Precautions: DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO NOT TAKE INTERNALLY. WASH THOROUGH

HLY AFTER HANDLING. AVOID BREATHING MIST OR VAPOR.

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Fire and Explosion Hazard Information  
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Flash Point Method: PMCC

Flash Point: =66.1C, 151.F

Extinguishing Media: DRY CHEMICAL, WATER SPRAY (FOG), FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures: AS FOR PETROLEUM PRODUCTS. USE NIOSH APPROVED  
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: NONE KNOWN.

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Control Measures  
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Respiratory Protection: GENERALLY NOT REQUIRED. USE A NIOSH-APPROVED ORGANIC  
VAPOR RESPIRATOR WITH DUST, MIST, AND FUME FILTERS TO REDUCE POTENTIAL FOR  
INHALATION EXPOSURE, IF CONDITIONS PERSIST. IF EXPOSURE POTENTIAL NEC  
ESSITATES A HIGHER LEVEL OF PROTECTION, USE A NIOSH-APPROVED  
POSITIVE-PRESSURE, PRESSURE-DEMAIN, AIR-SUPPLIED RESPIRATOR.

Ventilation: AT SOURCE OF HEATED  
VAPORS. MECHANICAL VENTILATION RECOMMENDED.

Protective Gloves: RESISTANT TO CHEMICAL PENETRATION

Eye Protection: CHEMICAL GOGGLES.

Other Protective Equipment: CHEMICAL RESISTANT PROTECTIVE CLOTHING SHOULD BE  
WORN TO AVOID SKIN CONTACT.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.NONE SPECIFIED BY  
MANUFACTURER.

Supplemental Safety and Health: NONE SPECIFIED BY MANUFACTURER.

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Physical/Chemical Properties  
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HCC: V4

Vapor Pres: .20 MMHG @ 42C/125F

Spec Gravity: .91 - .925 @ 15.6/15.6C

Viscosity: 110 - 136 EST AT 40C

Solubility in Water: NEGLIGIBLE

Appearance and Odor: AMBER LIQUID WITH PETROLEUM-LIKE ODOR

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES.

Materials To Avoid: STRONG OXIDIZIN

G AND REDUCING AGENTS.

Hazardous Decomposition Products: INCLUDES OXIDES OF CARBON.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR

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Toxicological Information  
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Toxicological Information: PRODUCT ORAL LD50 (RAT): 12,000 MG/KG. PRODUCT  
DERMAL LD50 (RABBIT): 5,010 - 7,340 MG/KG.

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Ecological Information  
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Ecological: ECOLOGICAL TESTING HAS NOT BEEN CONDUCTED ON THIS PRODUCT.

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MSDS Transport Information  
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Transport Information: US DOT: COMBUSTIBLE LIQUID, N.O.S. UN ID #: NA1993.  
PACKING GROUP: III. NOTE: COMBUSTIBLE MATERIALS ARE NOT REGULATED FOR  
TRANSPORTATION IN "NON-BULK" PACKAGING. THIS DOT DESCRIPTION IS PROVIDED  
TO  
ASSIST. IN THE PROPER CLASSIFICATION OF THIS PRODUCT AND MAY NOT BE SUITABLE  
FOR ALL SHIPPING CONDITIONS.

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Regulatory Information  
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Sara Title III Information: NONE SPECIFIED BY MANUFACTURER.  
Federal Regulatory Information: US TSCA: ALL COMPONENTS ARE LISTED OR EXEMPTED.  
State Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

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Other Information  
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Other Information: NONE SPECIFIED BY MANUFACTURER.

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Transportation Information  
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Responsible Party Cage: 95643  
Trans ID NO: 150938  
Product ID: HITEC 580 PERFORMANCE ADDITIVE  
MSDS Prepared Date: 02/23/1999  
Review Date: 01/04/2000  
MFN: 1  
Net Unit Weight: 7.6 LBS  
Multiple KIT Number: 0  
Unit Of Issue: GL  
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iner QTY: 0  
Type Of Container: CAN

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Detail DOT Information  
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DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail IMO Information  
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IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail AFI Information  
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AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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HAZCO  
M Label  
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Product ID: HITEC 580 PERFORMANCE ADDITIVE  
Cage: 4N760  
Company Name: CHEMICAL SPECIALISTS AND DEVELOPMENT INC  
Street: 2210 HACKBERRY LN  
PO Box: 687  
City: CONROE TX  
Zipcode: 77305  
Health Emergency Phone: 1(800)325-7079  
Label Required IND: Y  
Date Of Label Review: 01/04/2000  
Status Code: A  
Year Procured: 2000  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: WARNING  
Respiratory Protection IND: YES  
Healt

h Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: Moderate  
Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: NONE SPECIFIED BY MANUFACTURER. ACUTE HEALTH: HARMFUL IF SWALLOWED. FIRST AID: INHALED: REMOVE TO FRESH AIR. SEEK MEDICAL ADVICE. EYES: BEGIN IMMEDIATE EYE IRRIGATION WITH COOL WATER. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CLOTHING AND SHOES. FOLLOW UP WITH SOAP & WATER WASH AS SOON AS POSSIBLE. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. INGESTION: GIVE TWO GLASSES WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, HAVE VICTIM LEAN OVER TO AVOID ASPIRATION. SEEK MEDICAL ADVICE.

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