


**Material Safety  
Data Sheets**

Division of Facilities Services

## DOD Hazardous Material Information (ANSI Format) For Cornell University Convenience Only

### 02353 TEXACO ANTIFREEZE/COOLANT

Section 1 - Product and Company Identification	Section 9 - Physical & Chemical Properties
Section 2 - Composition/Information on Ingredients	Section 10 - Stability & Reactivity Data
Section 3 - Hazards Identification Including Emergency Overview	Section 11 - Toxicological Information
Section 4 - First Aid Measures	Section 12 - Ecological Information
Section 5 - Fire Fighting Measures	Section 13 - Disposal Considerations
Section 6 - Accidental Release Measures	Section 14 - MSDS Transport Information
Section 7 - Handling and Storage	Section 15 - Regulatory Information
Section 8 - Exposure Controls & Personal Protection	Section 16 - Other Information

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### Section 1 - Product and Company Identification 02353 TEXACO ANTIFREEZE/COOLANT

**Product Identification:** 02353 TEXACO ANTIFREEZE/COOLANT

**Date of MSDS:** 01/30/1995 **Technical Review Date:** 04/19/1995

**FSC:** 6850 **NIIN:** LIIN: 00F004675

**Submitter:** F BT

**Status Code:** C

**MFN:** 02

**Article:** N

**Kit Part:** N

**Manufacturer's Information**

**Manufacturer's Name:** TEXACO REFINING AND MARKETING INC  
**Post Office Box:** 4427  
**Manufacturer's Address1:** 1111 RUSK ST  
**Manufacturer's Address2:** HOUSTON, TX 77210-4427  
**Manufacturer's Country:** US  
**General Information Telephone:** 914-838-7204  
**Emergency Telephone:** 914-831-3400/713-650-5206  
**Emergency Telephone:** 914-831-3400/713-650-5206  
**MSDS Preparer's Name:** N/P  
**Proprietary:** N  
**Reviewed:** Y  
**Published:** Y  
**CAGE:** 2R503  
**Special Project Code:** N

**Preparer Information**

**Preparer's Name:** TEXACO REFINING AND MARKETING INC  
**Preparer's Address1:** 1111 RUSK ST  
**Preparer's Address2:** HOUSTON, TX 77002-3310  
**Preparer's CAGE:** 2R503  
**Assigned Individual:** N

**Contractor Information**

**Contractor's Name:** TEXACO REFINING AND MARKETING INC  
**Contractor's Address1:** 1111 RUSK ST  
**Contractor's Address2:** HOUSTON, TX 77002-3310  
**Contractor's Telephone:** 713-650-5206  
**Contractor's CAGE:** 2R503

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**Section 2 - Composition/Information on Ingredients**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Ingredient Name:** ETHYLENE GLYCOL, GLYCOL  
**Ingredient CAS Number:** 107-21-1 **Ingredient CAS Code:** M  
**RTECS Number:** KW2975000 **RTECS Code:** M  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**  
**>WT: >WT Code:**  
**>Volume: >Volume Code:**  
**<WT: <WT Code:**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**  
**% Text:** 80/94.9  
**% Environmental Weight:**

**Other REC Limits:** 10 MG/CUM  
**OSHA PEL:** 50 PPM **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**  
**ACGIH TLV:** C 127 MG/CUM **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:** 1 LB  
**DOT Reporting Quantity:** 1 LB  
**Ozone Depleting Chemical:** N

**Ingredient Name:** POTASSIUM PHOSPHATE, DIBASIC \*95-1\*  
**Ingredient CAS Number:** 7758-11-4 **Ingredient CAS Code:** M  
**RTECS Number:** RTECS **Code:** X  
**=WT:** **=WT Code:**  
**=Volume:** **=Volume Code:**  
**>WT:** **>WT Code:**  
**>Volume:** **>Volume Code:**  
**<WT:** **<WT Code:**  
**<Volume:** **<Volume Code:**  
**% Low WT:** **% Low WT Code:**  
**% High WT:** **% High WT Code:**  
**% Low Volume:** **% Low Volume Code:**  
**% High Volume:** **% High Volume Code:**  
**% Text:** 1-2.99  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** N/K **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**  
**ACGIH TLV:** N/K **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:** N

**Ingredient Name:** SODIUM HYDROXIDE, CAUSTIC SODA, LYE  
**Ingredient CAS Number:** 1310-73-2 **Ingredient CAS Code:** M  
**RTECS Number:** WB4900000 **RTECS Code:** M  
**=WT:** **=WT Code:**  
**=Volume:** **=Volume Code:**  
**>WT:** **>WT Code:**  
**>Volume:** **>Volume Code:**  
**<WT:** **<WT Code:**  
**<Volume:** **<Volume Code:**  
**% Low WT:** **% Low WT Code:**  
**% High WT:** **% High WT Code:**  
**% Low Volume:** **% Low Volume Code:**  
**% High Volume:** **% High Volume Code:**  
**% Text:** 0.00115  
**% Enviromental Weight:**  
**Other REC Limits:** 2MG/M3 CEILING NIOSH  
**OSHA PEL:** 2 MG/CUM **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**

**ACGIH TLV:** 2 MG/CUM CEILING **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:** 1000 LBS  
**DOT Reporting Quantity:** 1000 LBS  
**Ozone Depleting Chemical:** N

**Ingredient Name:** WATER  
**Ingredient CAS Number:** 7732-18-5 **Ingredient CAS Code:** M  
**RTECS Number:** ZC0110000 **RTECS Code:** M  
**=WT:** =WT **Code:**  
**=Volume:** =Volume **Code:**  
**>WT:** >WT **Code:**  
**>Volume:** >Volume **Code:**  
**<WT:** <WT **Code:**  
**<Volume:** <Volume **Code:**  
**% Low WT:** % Low WT **Code:**  
**% High WT:** % High WT **Code:**  
**% Low Volume:** % Low Volume **Code:**  
**% High Volume:** % High Volume **Code:**  
**% Text:** 3-9.99  
**% Environmental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** N/K **OSHA PEL Code:** M  
**OSHA STEL:** OSHA STEL **Code:**  
**ACGIH TLV:** N/K **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:** N

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**Section 3 - Hazards Identification, Including Emergency Overview**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Health Hazards Acute & Chronic:** EYES: IRRITATION. SKIN: SLIGHT IRRITATION. INHALATION: IRRITATION OF THE NOSE & THROAT. INGESTION: ETHYLENE GLYCOL/DIETHYLENE GLYCOL- ARE TOXIC WHEN SWALLOWED. A LETHAL DOSE FOR AN ADULT IS 1-2 ML PER KILOGRAM/ABOUT 4 OZ (ONE HALF CUP). PULMONARY EDEMA, COMA, DECREASED URINE & KIDNEY FAILURE. (SEE SUPP)

**Signs & Symptoms of Overexposure:**

IRRITATION, DISCOMFORT, REDNESS, SWELLING, HEADACHE, NAUSEA, DROWSINESS, WEAKNESS, CONFUSION, DIZZINESS, STAGGERING, SLURRED SPEECH, LOSS OF COORDINATION, FAINTNESS, VOMITING, INCREASED HEART RATE, DECREASED BLOOD PRESSURE, DIFFICULTY BREATHING, SEEING, UNCONSCIOUSNESS, CONVULSIONS, COLLAPSE.

**Medical Conditions Aggravated by Exposure:**

EXISTING KIDNEY DISEASE & EXISTING DERMATITIS.

**LD50 LC50 Mixture:** N/P

**Route of Entry Indicators:****Inhalation:** YES**Skin:** YES**Ingestion:** YES**Carcenogenicity Indicators****NTP:** NO**IARC:** NO**OSHA:** NO**Carcinogenicity Explanation:** NONE

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**Section 4 - First Aid Measures**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**First Aid:**

EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15 MINS. SKIN: WASH W/PLENTY OF SOAP & WATER FOR SEVERAL MIN. INGESTION: IF CONSCIOUS & CAN SWALLOW IMMEDIATELY GIVE 2 GLASSES OF WATER (16 OZ) BUT DON'T INDUCE VOMITING. ASPIRATION HAZARD. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. HAVE PHYSICIAN DETERMINE IF CONDITION OF PERSON WILL PERMIT INDUCTION OF VOMITING/EVACUATION OF STOMACH. (SEE SUPP)

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**Section 5 - Fire Fighting Measures**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Fire Fighting Procedures:**

WEAR FULL PROTECTIVE CLOTHING & POSITIVE PRESSURE BREATHING APPARATUS. APPROACH FROM UPWIND TO AVOID HAZARDOUS VAPORS & TOXIC DECOMPOSITION PRODUCTS.

**Unusual Fire or Explosion Hazard:**

NONE

**Extinguishing Media:**

USE WATER SPRAY, DRY CHEMICAL, FOAM/CO. USE WATER SPRAY TO COOL CONTAINERS. WATER/FOAM MAY CAUSE FROTHING.

**Flash Point:** Flash Point Text: 244F**Autoignition Temperature:****Autoignition Temperature Text:** N/A**Lower Limit(s):** N/K**Upper Limit(s):** N/K

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**Section 6 - Accidental Release Measures**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Spill Release Procedures:**

VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION. CONTAIN IF POSSIBLE. WIPE UP/ABSORB ON SUITABLE MATERIAL & SHOVEL UP. PREVENT ENTRY INTO SEWERS & WATERWAYS.

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**Section 7 - Handling and Storage**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Handling and Storage Precautions:**

**Other Precautions:**

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**Section 8 - Exposure Controls & Personal Protection**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Respiratory Protection:**

USE NIOSH/MSHA APPROVED AIR PURIFYING/AIR SUPPLIED RESPIRATOR. AIR SUPPLIED RESPIRATORS SHOULD ALWAYS BE WORN WHEN AIRBORNE CONCENTRATION OF THE CONTAMINANT/OXYGEN CONTENT IS UNKNOWN.

**Ventilation:**

ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

**Protective Gloves:**

N/K

**Eye Protection:** SAFETY GLASSES/CHEMICAL GOGGLES

**Other Protective Equipment:** FACE SHIELD RECOMMENDED.

**Work Hygienic Practices:** REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH SEVERAL TIMES DAILY W/SOAP & WATER.

**Supplemental Health & Safety Information:** HEALTH HAZARDS CONT'D: SEVERE POISONING MAY CAUSE DEATH. ASPIRATION MAY OCCUR DURING SWALLOWING/VOMITING RESULTING IN LUNG DAMAGE. FIRST AID CONT'D: DON'T GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS/CONVULSING PERSON. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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**Section 9 - Physical & Chemical Properties**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**HCC:**

**NRC/State License Number:**

**Net Property Weight for Ammo:**

**Boiling Point:** Boiling Point Text: 388F

**Melting/Freezing Point:** Melting/Freezing Text: N/R

**Decomposition Point:** Decomposition Text: N/K

**Vapor Pressure:** <0.1 Vapor Density: 2.1

**Percent Volatile Organic Content:**

**Specific Gravity:** 1.13

**Volatile Organic Content Pounds per Gallon:**

**pH:** N/K

**Volatile Organic Content Grams per Liter:**

**Viscosity:** N/P

**Evaporation Weight and Reference:** N/K

**Solubility in Water:** >10

**Appearance and Odor:** FLUORESCENT GREEN LIQUID W/MILD ODOR

**Percent Volatiles by Volume:** N/K

**Corrosion Rate:** N/K

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**Section 10 - Stability & Reactivity Data**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Stability Indicator:** YES

**Materials to Avoid:**

N/K

**Stability Condition to Avoid:**

NONE

**Hazardous Decomposition Products:**

CO, CO<sub>2</sub>, ALDEHYDES, KETONES, ACIDS

**Hazardous Polymerization Indicator:** NO

**Conditions to Avoid Polymerization:**

N/K

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**Section 11 - Toxicological Information**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Toxicological Information:**

N/P

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**Section 12 - Ecological Information**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Ecological Information:**

N/P

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**Section 13 - Disposal Considerations**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Waste Disposal Methods:**

THIS PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS & DOESN'T MEET THE CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM.

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**Section 14 - MSDS Transport Information**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Transport Information:**

N/P

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**Section 15 - Regulatory Information**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**SARA Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

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**Section 16 - Other Information**  
**02353 TEXACO ANTIFREEZE/COOLANT**

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**Other Information:**

N/P

**HAZCOM Label Information**

**Product Identification:** 02353 TEXACO ANTIFREEZE/COOLANT

**CAGE:** 2R503

**Assigned Individual:** N

**Company Name:** TEXACO REFINING AND MARKETING INC

**Company PO Box:**

**Company Street Address1:** 1111 RUSK ST

**Company Street Address2:** HOUSTON, TX 77002-3310 US

**Health Emergency Telephone:** 914-831-3400/713-650-5206

**Label Required Indicator:** Y

**Date Label Reviewed:** 12/16/1998

**Status Code:** C

**Manufacturer's Label Number:**

**Date of Label:** 12/16/1998

**Year Procured:** N/K

**Organization Code:** G

**Chronic Hazard Indicator:** N/P

**Eye Protection Indicator:** N/P

**Skin Protection Indicator:** N/P

**Respiratory Protection Indicator:** N/P

**Signal Word:** N/P

**Health Hazard:**

**Contact Hazard:**

**Fire Hazard:**

**Reactivity Hazard:**

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