



Date Issued: 05/27/92
 Supercedes: 03/12/91

TEXACO
 MATERIAL SAFETY DATA SHEET

NOTE: Read and understand Material Safety Data Sheet before handling or disposing of product

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY

Product Code and Name:
 00456 TEXACO DIESEL 2

Chemical Name and/or Family or Description:
 Diesel Fuel

Manufacturer's Name and Address:
 Texaco Refining and Marketing, Inc.
 P.O. Box 1404 Houston, TX 77251

Telephone Numbers:

TRANSPORTATION EMERGENCY Company: (914) 831-3400 CHEMTREC: (800) 424-9300
HEALTH EMERGENCY Company: (914) 831-3400
GENERAL MSDS ASSISTANCE (914) 838-7204
TECHNICAL INFORMATION Fuels: (914) 838-7336; Lubricants/Antifreezes: (914) 838-7509
 Chemicals: (512) 459-6543

HEALTH: 3
 FLAMMABILITY: 2
 REACTIVITY: 0

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product and/or Component(s) Carcinogenic According to: OSHA X IARC X NTP X OTHER X NONE -

Composition:

Chemical/Common Name	CAS No.	Exposure Limit	Range in %
* A complex mixture of hydrocarbons produced by crude oil distillation. Consists predominantly of hydrocarbons ranging from C-9 to C-20, and boiling in the range of 325-675F. The hydro-treated or hydrodesulfurized product also contains some hydrocarbons produced by the distillation of the products from catalytic cracking. The latter materials contain bicyclic and tricyclic aromatic hydrocarbons. The benzene content varies from 0.00-0.36%.	N.A.	None Established	100.00

Product is hazardous according to OSHA (1910.1200).
 * Component(s) is hazardous according to OSHA or one or more state Right-to-Know laws.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: Clear and bright liquid



PRODUCT CODE: 00456
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Supersedes: 03/12/91

3. HAZARD IDENTIFICATION (CONT)

WARNING STATEMENT

DANGER!

CAUSES SEVERE SKIN BURNS
HARMFUL IF INHALED
MAY BE HARMFUL IF ABSORBED THROUGH SKIN
MAY CAUSE DIZZINESS AND DROWSINESS
ASPIRATION HAZARD IF SWALLOWED--CAN ENTER
LUNGS AND CAUSE DAMAGE
COMBUSTIBLE LIQUID AND VAPOR
USE ONLY AS A FUEL

ATTENTION! POSSIBLE CANCER HAZARD
CONTAINS MIDDLE DISTILLATES WHICH MAY CAUSE CANCER
BASED ON ANIMAL DATA

HMIS

NFPA

Health: 3 Reactivity: 0 Health: 3 Reactivity: 0
Flammability: 2 Special: - Flammability: 2 Special: -

POTENTIAL HEALTH EFFECTS

Primary Route of Exposure: EYE SKIN INHALATION INGESTION
Effects of Overexposure X X X -

Acute

Eyes:

May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye.

Skin:

Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material.

Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction.

Inhalation:

Vapors or mist may cause irritation of the nose and throat, headache, nausea, vomiting, dizziness, drowsiness, euphoria, loss of coordination, and disorientation. In poorly ventilated areas or confined spaces, unconsciousness and asphyxiation may result.

Ingestion:

If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur. Aspiration may occur during swallowing or vomiting resulting in lung damage.

Sensitization Properties:

Unknown.

Chronic:

NIOSH has recommended that whole diesel exhaust be regarded as a potential occupational carcinogen, based on findings of carcinogenic responses in laboratory animals exposed to whole diesel exhaust. The excess cancer risk for workers exposed to diesel exhaust has not been calculated; the probability of developing cancer should be decreased by minimizing exposure to the lowest feasible limits.

Repeated skin contact may cause a persistent irritation or dermatitis.

Medical Conditions Aggravated by Exposure:

Skin contact may aggravate an existing dermatitis (skin condition).

Other Remarks:

This product contains benzene. Prolonged and repeated exposure to benzene has been associated with anemia and leukemia in humans.



PRODUCT CODE: 00456
PRODUCT NAME: TEXACO DIESEL 2

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4. FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Get medical attention.

Skin:

Immediately flush skin with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy non-resistant footwear.

Ingestion:

If swallowed, get immediate medical attention. ONLY induce vomiting as directed by a doctor. Never give anything by mouth to an unconscious or convulsing person.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may administer oxygen. Get immediate medical attention.

Other Instructions:

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

NOTE TO PHYSICIAN: Aspiration of this product during induced emesis can result in lung injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

5. FIRE-FIGHTING MEASURES

Ignition Temp. Degrees F.: 500 Flash Point Degrees F. (Method): 160 F (PM)
Flammable Limits (%) Lower: 0.52 Upper: 4.10

Recommended Fire Extinguishing Agents And Special Procedures:

According to NFPA Guide, use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

Unusual or Explosive Hazards:

None

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills Call: CHEMTREC (800) 424-9300)

Procedures in Case of Accidental Release, Breakage or Leakage:

Ventilate area. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or confined areas. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.



PRODUCT CODE: 00456
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7. HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage:

Store away from heat and open flame. A placard is required only when material is contained in packaging or container that exceeds 110 gallons, or in tank car or tank truck. Transport, handle, and store in accordance with OSHA Regulation 1910.106 and applicable DOT Regulations.

Eye wash and safety shower should be available nearby when this product is handled or used.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment (Type)

Eye/Face Protection:

Chemical-type goggles or face shield recommended to prevent eye contact.

Skin Protection:

Protective clothing such as uniforms, coveralls or lab coats must be worn. Launder or dry-clean when soiled. Gloves resistant to chemicals and petroleum distillates required. When handling large quantities, impervious suits, gloves, and rubber boots must be worn.

Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated, use respirator approved by MSHA or NIOSH as appropriate. Supplied air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. See below for applicable permissible concentrations.

Ventilation:

Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

Exposure Limit for Total Product:

None established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear and bright liquid	Percent VOC: 100	
Boiling Point (Degrees F.): 650	Vapor Density: N.D.	Air=1
Specific Gravity: .8521 (H2O=1)	Solubility in Water: Nil	
pH of undiluted product: N.A.	Other: -	
Vapor Pressure: low mmhg		
Viscosity: 3.0 cSt @ 100 F		

10. STABILITY AND REACTIVITY

This Material Reacts Violently With: (If others is checked below, see comments for details)

Air	Water	Heat	Strong Oxidizers	Others	None of These
-	-	-	<u>Y</u>	-	-

Comments:
None

Products Evolved When Subjected to Heat or Combustion:

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

Hazardous Polymerizations:

OCCUR	DO NOT OCCUR
-	<u>X</u>



PRODUCT CODE: 00456
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Date Issued: 05/27/92
 Supercedes: 03/12/91

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Median Lethal Dose (LD50 LC50) (Species)
 Oral: Similar product 9.0 ml/kg (rat); practically non-toxic
 Inhalation: N.D.
 Dermal: Similar product >5ml/kg (rabbit); practically non-toxic
Irritation Index, Estimation of Irritation (Species)
 Skin: Similar product 6 9/8.0 (rabbit); extremely irritating
 Eyes: Similar product >15-25/110 (rabbit); slightly irritating
 Sensitization: N.D.

Other:
 Middle distillates have caused skin irritation and skin cancer in laboratory animals when repeatedly applied and left in place between applications. Studies to further evaluate the carcinogenic potential of middle distillates are currently underway. Kidney damage has also been observed in laboratory animals exposed to middle distillates.

Prolonged and repeated exposure to benzene has caused anemia, lymphoma, and other cancers, in laboratory animals. Benzene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity (i.e., illness in the mother).

12. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS

This product (as presently constituted) has the RCRA classification of benzene toxicity and, if discarded in its present form, would have the hazardous waste number D018. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may change the classification to non-hazardous, or hazardous for reasons other than, or in addition to, benzene toxicity.

REMARKS
 None

13. TRANSPORT INFORMATION

TRANSPORTATION

DOT: PROPER SHIPPING NAME: Fuel Oil, No. 2
 HAZARD CLASS: Combustible liquid NA1993
 IDENTIFICATION NUMBER: N.D.
 LABEL REQUIRED: N.D.

IMDG: PROPER SHIPPING NAME: N.D.
 IATA: PROPER SHIPPING NAME: N.D.
 TDG: PROPER SHIPPING NAME: N.D.

14. REGULATORY INFORMATION

A. SARA TITLE III

Title III Section 302/304 Extremely Hazardous Substance:

Component	CAS No.	Percent	RQ (lbs)	TPQ (lbs)
NONE				



PRODUCT CODE: 00456
 PRODUCT NAME: TEXACO DTESFI 2

Date Issued: 05/27/92
 Supersedes: 03/12/91

14. REGULATORY INFORMATION (CONT)

CERCLA Section 102(a) Hazardous Substance

Component	CAS No.	Percent	RQ (lbs)
Cumene	98828	<170ppm	5000
Benzene	71432	0.0-0.36	10

Title III Section 311 Hazard Categorization

Acute	Chronic	Fire	Pressure	Reactive	Not Applicable
X	X	X	-	-	-

Title III Section 313 Toxic Chemicals

Component	CAS No.	Percent
Benzene	71432	0.0-0.36

B. WHMIS CLASSIFICATION

NA

C. MICHIGAN CRITICAL MATERIALS

No critical materials present.

15. OTHER INFORMATION

THIS PRODUCT IS INTENDED FOR USE AS A MOTOR FUEL ONLY.

This product is not intended for use in space heaters. Do not use in agricultural sprays.

Texaco recommends that all exposures to this product be minimized by strictly adhering to recommended occupational controls procedures to avoid any potential adverse health effects.

This product may be subject to export notification(s) under TSCA section 12(b); contains 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and cumene.

WARNING ! This product contains detectable amounts of benzene and toluene, which are known to the State of California to cause cancer and/or reproductive toxicity.

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF TEXACO'S PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL TEXACO PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL TEXACO PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. TEXACO DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

Date: 05-27-92 New Revised, Supersedes: 03-12-91
 Date Printed: 06-02-92

Inquiries regarding MSDS should be directed to:
 Texaco Inc.
 Manager, Product Safety
 P.O. Box 509
 Beacon, N.Y. 12508

PLEASE SEE NEXT PAGE FOR PRODUCT LABEL



PRODUCT CODE: 00456
 PRODUCT NAME: TEXACO DIESEL 2

Date Issued: 05/27/92
 Supersedes: 03/12/91

16. PRODUCT LABEL

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT

00456 TEXACO DIESEL 2

WARNING STATEMENT

DANGER!

CAUSES SEVERE SKIN BURNS
 HARMFUL IF INHALED
 MAY BE HARMFUL IF ABSORBED THROUGH SKIN
 MAY CAUSE DIZZINESS AND DROWSINESS
 ASPIRATION HAZARD IF SWALLOWED--CAN ENTER
 LUNGS AND CAUSE DAMAGE
 COMBUSTIBLE LIQUID AND VAPOR
 USE ONLY AS A FUEL

ATTENTION! POSSIBLE CANCER HAZARD
 CONTAINS MIDDLE DISTILLATES WHICH MAY CAUSE CANCER
 BASED ON ANIMAL DATA

PRECAUTIONARY MEASURES

AVOID CONTACT WITH SKIN AND CLOTHING
 AVOID PROLONGED BREATHING OF MIST OR VAPOR
 KEEP CONTAINER CLOSED
 USE WITH ADEQUATE VENTILATION
 WASH THOROUGHLY AFTER HANDLING
 KEEP AWAY FROM HEAT, SPARKS, AND FLAME
 NEVER SYPHON BY MOUTH

FIRST AID

INGESTION:

If swallowed, get immediate medical attention. ONLY induce vomiting as directed by a doctor. Never give anything by mouth to an unconscious or convulsing person.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may administer oxygen. Get immediate medical attention.

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Get medical attention.

SKIN CONTACT:

Immediately flush skin with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy non-resistant footwear.

NOTE TO PHYSICIAN:

Aspiration of this product during induced emesis can result in lung injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

FIRE

In case of fire, use foam, dry chemical, or CO2. Use water spray to keep containers cool.

<u>Chemical/Common Name</u>	<u>CAS No.</u>	<u>Range in %</u>
* A complex mixture of hydrocarbons produced by crude oil distillation. Consists predominantly of hydrocarbons ranging from C-9 to C-20, and boiling in the range of 325-675F. The hydrotreated or hydrodesulfurized product also contains some hydrocarbons produced by the distillation of the products from catalytic cracking. The latter materials contain bicyclic and tricyclic aromatic hydrocarbons. The benzene content varies from 0.00-0.36%.	N.A.	100.00

Product is hazardous according to OSHA (1910.1200).

* Component(s) is hazardous according to OSHA or one or more state Right-to-Know laws.

Page: 7

N.D. - Not Determined
 < - Less Than

N.A. - Not Applicable
 > - Greater Than

N.T. - Not Tested



PRODUCT CODE: 00456
PRODUCT NAME: TEXACO DIESEL 2

Date Issued: 05/27/92
Supersedes: 03/12/91

16. PRODUCT LABEL (CONT)

HMIS

Health : 3 Reactivity : 0
Flammability: 2 Special : -

National Fire Protection Association

Health : 3 Reactivity : 0
Flammability: 2 Special : -

DOT Proper Shipping Name: Fuel Oil, No. 2
DOT Hazardous Class : Combustible liquid NA1993

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

Manufacturer's Name: Texaco Refining and Marketing, Inc.
P.O. Box 1404 Houston, TX 77251

TRANSPORTATION EMERGENCY Company: (914) 831-3400
CHEMTREC: (800) 424-9300

HEALTH EMERGENCY Company: (914) 831-3400