

SAFETY DATA SHEET



NOTE: NO REPRESENTATION IS MADE AS TO THE ACCURACY OF THE INFORMATION
HEREIN. SEE PAGE 5 FOR CONDITIONS UNDER WHICH DATA ARE FURNISHED.

Trade Name and Synonyms	
10700 REGAL OIL R&O 32	
Manufacturer's Name	Emergency Telephone No.
Exaco Inc	(914) 831-3400 ext. 406
Address	
P.O. Box 509 Beacon, NY 12508	
Chemical Name and/or Family or Description	
Turbine Oil	
THIS PRODUCT IS CLASSIFIED AS: ☒ NOT HAZARDOUS:	
☐ HAZARDOUS BY DEFINITION NO (S) ☐ ON ATTACHED EXPLANATION SHEET 4	
WARNING STATEMENT:	
NONE CONSIDERED NECESSARY.	
OCCUPATIONAL CONTROL PROCEDURES	
Protective Equipment (Type)	
Eyes:	Chemical type goggles or face shield optional.
Skin:	Exposed employes should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.
Inhalation:	None required if exposures are within permissible concentrations; see below.
Ventilation Required: Normal	
Permissible Concentrations:	
Air:	5 mg/cubic meter of air for mineral oil mist averaged over an 8 hour daily exposure (ACGIH, 1982).
EMERGENCY AND FIRST AID PROCEDURES	
First Aid	
Eyes:	As with most foreign materials, should eye contact occur, flush eyes with plenty of water.
Skin	None considered necessary.
Ingestion:	None considered necessary.
Inhalation:	None considered necessary.
Other Instructions	None.

ND - Not Determined NA - Not Applicable
 - Less Than Greater Than

PHYSIOLOGICAL EFFECTS:

Code

No. 00700

Effects of Exposure

Acute:

Eyes: N.D. Believed to be minimally irritating.

Skin: N.D. Believed to be minimally irritating.

Respiratory System: N.D. Believed to be minimally irritating if not in excess of permissible concentrations; see page 1.

Chronic: N.D.

Other: -

Sensitization Properties:

Skin: Yes ☐ No ☐ Unknown ☒

Respiratory: Yes ☐ No ☐ Unknown ☒

Median Lethal Dose (LD₅₀LC₅₀)(Species)

Oral N.D.; similar product G.T. 10 g/kg (rat); practically non-toxic

Inhalation N.D.

Dermal N.D.; similar product G.T. 8 g/kg (rabbit); practically non-toxic

Other N.D.

Irritation Index, Estimation of Irritation (Species)

Skin N.D.; similar product 0.13/8.0 (rabbit); no appreciable effect

Eyes N.D.; similar product 2.33/110 (rabbit); no appreciable effect

Symptoms of Exposure N.D.; See above

FIRE PROTECTION INFORMATION

Ignition Temp F. N.D.

Flash Point F. (Method) 380 F (COC)

Flammable Limits% Lower N.D.

Upper N.D.

Products Evolved When Subjected to Heat or Combustion:

Carbon monoxide, carbon dioxide, aldehydes and ketones, combustion products of nitrogen and sulfur.

Recommended Fire Extinguishing Agents And Special Procedures

According to the National Fire Protection Association Guide, use water spray, dry chemical, "alcohol" 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.



ENVIRONMENTAL PROTECTION

Code
No.

00700

Waste Disposal Method:

Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixture, processes, etc. may render the resulting material hazardous. (See Remarks for Waste Classification)

Procedures in Case of Breakage or Leakage:

Contain spill if possible. Wipe up or absorb on suitable material and shovel up.

Remarks:

Waste Classification: Product has been evaluated for RCRA characteristics and does not meet criteria of a hazardous waste if discarded in its purchased form.

PRECAUTIONARY LABEL

NONE CONSIDERED NECESSARY.

Requirements for Transportation, Handling and Storage:

Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

DOT Proper Shipping Name: N.A.

DOT Hazard Class (if applicable): N.A.

CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point (°F) N.D.

Vapor Pressure N.D. (mmHg)

Specific Gravity 8681 (H₂O=1)

Vapor Density N.D. (Air=1)

Appearance and Odor N.D.

pH of undiluted product N.A.

Solubility N.D.

Percent Volatile by Volume N.D.

Evaporation N.D. ()=1

Viscosity cSt @ 40 C = 30.5

Other -

Hazardous Polymerizations - Occur X Do not occur

The Material Reacts Violently With (If Others is checked below see Additional Comments on Page 4 for further details)

Air

Water

Heat

Strong Oxidizers

Others

None of These

X

N.D. Not Determined N.A. Not Applicable
Less Than Greater Than



COMPOSITION		Code No.
Components Presenting a Significant Hazard		00700
		%
Other Components		%
Mineral oil		Greater than 95
Additive package containing:		
sulfur, nitrogen, phosphorous		Less than 1
Methacrylate polymer		Less than 1
Ditertiarybutylphenol		Less than 1
Additive package containing:		
sulfur		Less than 1
ADDITIONAL COMMENTS		
TEXACO INTENDS TO COMPLY FULLY WITH PROVISIONS OF THE TOXIC SUBSTANCES CONTROL ACT STATE OF MICHIGAN CRITICAL MATERIALS ACT (REVISED 1982)		
No critical materials present.		
Determine applicability or effect of any law or regulation with respect to this product user should consult his adviser or the appropriate government agency Texaco does not undertake to furnish advice on such matters		
By <u>R. T. Richards</u> Title <u>Dir. Env. Conservation & Toxicology</u>		
Date <u>01-06-83</u> ☒ New ☐ Revised ☐ Supersedes		
EDD Not Determined ☐ NA Not Applicable ☐		
Less Than Greater Than		

SAFETY DATA SHEET

NOTE: NO REPRESENTATION IS MADE AS TO THE ACCURACY OF THE INFORMATION
HEREIN SEE PAGE 5 FOR CONDITIONS UNDER WHICH DATA ARE FURNISHED

Trade Name and Synonyms	
00701 REGAL OIL R&O 46	
Manufacturer's Name	Emergency Telephone No
Exxon Inc	(914) 831-3400 ext. 406
Address	
P.O. Box 509 Beacon, NY 12508	
Chemical Name and/or Family or Description	
Turbine Oil	
THIS PRODUCT IS CLASSIFIED AS <u> X </u> NOT HAZARDOUS	
<u> </u> HAZARDOUS BY DEFINITION NO(S) <u> </u> ON ATTACHED EXPLANATION SHEETS	
WARNING STATEMENT: NONE CONSIDERED NECESSARY.	
OCCUPATIONAL CONTROL PROCEDURES	
Protective Equipment (Type)	
Eyes:	Chemical type goggles or face shield optional.
Skin:	Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.
Inhalation:	None required if exposures are within permissible concentrations; see below.
Ventilation:	Normal
Permissible Concentrations	
Air:	5 mg/cubic meter of air for mineral oil mist averaged over an 8 hour daily exposure (ACGIH, 1983).
EMERGENCY AND FIRST AID PROCEDURES	
First Aid	
Eyes:	As with most foreign materials, should eye contact occur, flush eyes with plenty of water.
Skin:	None considered necessary.
Ingestion:	None considered necessary.
Inhalation:	None considered necessary.
Other Instructions	None.

ND - Not Determined NA - Not Applicable
< Less Than > Greater Than

**PHYSIOLOGICAL EFFECTS:**Code
No. 00701**Effects of Exposure****Acute:**

Eyes. Causes minimal eye irritation. Transient minor irritation may be noted following initial contact.

Skin. Effects of dermal contact slight, if any.

Respiratory System. Believed to be minimally irritating if not in excess of permissible concentrations; see page 1.

Chronic: N.D.

Other: -

Sensitization Properties:

Skin. Yes ☐ No ☐ Unknown ☒

Respiratory. Yes ☐ No ☐ Unknown ☒

Median Lethal Dose (LD₅₀ LC₅₀) (Species)

Oral G.T. 10 g/kg (rat); practically non-toxic

Inhalation N.D.

Dermal G.T. 8 g/kg (rabbit); practically non-toxic

Other N. D.

Irritation Index, Estimation of Irritation (Species)

Skin 0.13/8.0 (rabbit); no appreciable effect

Eyes 2.33/110 (rabbit); no appreciable effect

Symptoms of Exposure See above

FIRE PROTECTION INFORMATION

Ignition Temp. F. N.D. Flash Point F. (Method) 400° F (COC)

Flammable Limits% Lower N.D. Upper N.D.

Products Evolved When Subjected to Heat or Combustion:

Carbon monoxide, carbon dioxide, aldehydes and ketones, combustion products of nitrogen and sulfur.

Recommended Fire Extinguishing Agents And Special Procedures:

According to the National Fire Protection Association 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.

Usual or Explosive Hazards:

None.

ND - Not Determined NA - Not Applicable

< Less than > Greater than

121

ENVIRONMENTAL PROTECTION		Code No. 00701																								
Waste Disposal Method Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixture, processes, etc. may render the resulting material hazardous. (See Remarks for Waste Classification.) Procedures in Case of Breakage or Leakage Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Remarks. Waste Classification: Product has been evaluated for RCRA characteristics and does not meet criteria of a hazardous waste if discarded in its purchased form.																										
PRECAUTIONS																										
NONE CONSIDERED NECESSARY.																										
Requirements for Transportation, Handling and Storage Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided. DOT Proper Shipping Name: N.A. DOT Hazard Class (if applicable) N.A.																										
CHEMICAL AND PHYSICAL PROPERTIES																										
<table style="width: 100%; border: none;"> <tr> <td style="width: 45%;">Boiling Point (°F) <u>N.D.</u></td> <td style="width: 55%;">Vapor Pressure <u>N.D.</u> (mmHg)</td> </tr> <tr> <td>Specific Gravity <u>.8735</u> (H₂O = 1)</td> <td>Vapor Density <u>N.D.</u> (Air = 1)</td> </tr> <tr> <td colspan="2">Appearance and Odor <u>light pale</u></td> </tr> <tr> <td>pH of undiluted product <u>N.A.</u></td> <td>Solubility <u>N.D.</u></td> </tr> <tr> <td>Percent Volatile by Volume <u>N.D.</u></td> <td>Evaporation <u>N.D.</u> () = 1</td> </tr> <tr> <td>Viscosity <u>44.3 cSt @ 40 °C</u></td> <td>Other <u>-</u></td> </tr> </table> Hazardous Polymerizations <u> </u> Occur <u>X</u> Do not occur The Material Reacts Violently With (If others is checked below, see additional comments on page 4 for further details) <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Air</td> <td style="width: 15%;">Water</td> <td style="width: 15%;">Heat</td> <td style="width: 15%;">Strong Oxidizers</td> <td style="width: 15%;">Others</td> <td style="width: 20%;">None of These</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> </tr> </table>			Boiling Point (°F) <u>N.D.</u>	Vapor Pressure <u>N.D.</u> (mmHg)	Specific Gravity <u>.8735</u> (H ₂ O = 1)	Vapor Density <u>N.D.</u> (Air = 1)	Appearance and Odor <u>light pale</u>		pH of undiluted product <u>N.A.</u>	Solubility <u>N.D.</u>	Percent Volatile by Volume <u>N.D.</u>	Evaporation <u>N.D.</u> () = 1	Viscosity <u>44.3 cSt @ 40 °C</u>	Other <u>-</u>	Air	Water	Heat	Strong Oxidizers	Others	None of These						X
Boiling Point (°F) <u>N.D.</u>	Vapor Pressure <u>N.D.</u> (mmHg)																									
Specific Gravity <u>.8735</u> (H ₂ O = 1)	Vapor Density <u>N.D.</u> (Air = 1)																									
Appearance and Odor <u>light pale</u>																										
pH of undiluted product <u>N.A.</u>	Solubility <u>N.D.</u>																									
Percent Volatile by Volume <u>N.D.</u>	Evaporation <u>N.D.</u> () = 1																									
Viscosity <u>44.3 cSt @ 40 °C</u>	Other <u>-</u>																									
Air	Water	Heat	Strong Oxidizers	Others	None of These																					
					X																					

ND - Not Determined NA - Not Applicable
 < Less Than > Greater Than

DO A 061415
 CONFIDENTIAL



COMPOSITION		Code No.
Components Presenting a Significant Hazard		00701
one		%
Other Components		%
Petroleum oil	Greater than 95	
Methacrylate polymer	Less than 1	
Additive package containing sulfur, nitrogen, phosphorous	Less than 1	
Additive package containing sulfur	Less than 1	
Ditertiarybutylphenol	Less than 1	
Aryl amine	Less than 1	
ADDITIONAL COMMENTS		
TEXACO INTENDS TO COMPLY FULLY WITH PROVISIONS OF THE TOXIC SUBSTANCES CONTROL ACT STATE OF MICHIGAN CRITICAL MATERIALS ACT (REVISED 1984) No critical materials present.		
To determine applicability or effect of any law or regulation with respect to this product, user should consult his legal advisor or the appropriate government agency. Texaco does not undertake to furnish advice on such matters.		
By	R. T. Richards	Title
Date	01-06-83	☒ New ☐ Revised, Supersedes

ND Not Determined NA Not Applicable
< Less Than > Greater Than

**INDUSTRIAL HYGIENE, TOXICOLOGY, AND MATERIAL
SAFETY DATA SHEET**



NOTE: NO REPRESENTATION IS MADE AS TO THE ACCURACY OF THE INFORMATION
HEREIN. SEE PAGE 5 FOR CONDITIONS UNDER WHICH DATA ARE FURNISHED.

Trade Name and Synonyms	
00702 REGAL OIL R&O 68	
Manufacturer's Name	Emergency Telephone No
Texaco Inc	(914) 831-3400 ext. 406
Address	
P.O. Box 509 Beacon, NY 12508	
Chemical Name and/or Family or Description	
Turbine Oil	
THIS PRODUCT IS CLASSIFIED AS: <u> X </u> NOT HAZARDOUS	
<u> </u> HAZARDOUS BY DEFINITION NO(S) <u> </u> ON ATTACHED EXPLANATION SHEETS	
WARNING STATEMENT: NONE CONSIDERED NECESSARY.	
OCCUPATIONAL CONTROL PROCEDURES	
Protective Equipment (Type)	
Eyes:	Chemical type goggles or face shield optional.
Skin:	Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.
Inhalation:	None required if exposures are within permissible concentrations; see below.
Ventilation:	Normal
Permissible Concentrations:	
Air:	5 mg/cubic meter of air for mineral oil mist averaged over an 8 hour daily exposure (ACGIH, 1983).
EMERGENCY AND FIRST AID PROCEDURES	
First Aid	
Eyes:	As with most foreign materials, should eye contact occur, flush eyes with plenty of water.
Skin:	None considered necessary.
Ingestion:	None considered necessary.
Inhalation:	None considered necessary.
Other Instructions:	None.



PHYSIOLOGICAL EFFECTS:		Code No. 00702
Effects of Exposure		
cute:		
Eyes:	Believed to be minimally irritating.	
Skin:	Believed to be minimally irritating.	
Respiratory System:	Believed to be minimally irritating if not in excess of permissible concentrations; see page 1.	
Chronic:	N.D.	
Other:	-	
Sensitization Properties:		
Skin: Yes — No — Unknown <u>X</u>	Respiratory: Yes — No — Unknown <u>X</u>	
Median Lethal Dose (LD₅₀ LC₅₀) (Species)		
Oral	<u>N.D.; similar product G.T. 10 g/kg (rat); practically non-toxic</u>	
Inhalation	<u>N.D.</u>	
Dermal	<u>N.D.; similar product G.T. 8 g/kg (rabbit); practically non-toxic</u>	
Other	<u>N. D.</u>	
Irritation Index, Estimation of Irritation (Species)		
Skin	<u>N.D.; similar product 0.13/8.0 (rabbit); no appreciable effect</u>	
Eyes	<u>N.D.; similar product 2.33/110 (rabbit); no appreciable effect</u>	
Symptoms of Exposure	<u>N.D.; See above</u>	
FIRE PROTECTION INFORMATION		
Ignition Temp. F.	<u>N.D.</u>	Flash Point F. (Method) <u>410° F (COC)</u>
Flammable Limits%	Lower <u>N.D.</u>	Upper <u>N.D.</u>
Products Evolved When Subjected to Heat or Combustion: Carbon monoxide, carbon dioxide, aldehydes and ketones, combustion products of nitrogen and sulfur.		
Recommended Fire Extinguishing Agents And Special Procedures: According to the National Fire Protection Association 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.		



ENVIRONMENTAL PROTECTION		Code No. 00702			
Waste Disposal Method Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixture, processes, etc. may render the resulting material hazardous. (See Remarks for Waste Classification.) Procedures in Case of Breakage or Leakage: Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Remarks: Waste Classification: Product has been evaluated for RCRA characteristics and does not meet criteria of a hazardous waste if discarded in its purchased form.					
PRECAUTIONARY LABEL					
NONE CONSIDERED NECESSARY.					
Requirements for Transportation, Handling and Storage Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided. DOT Proper Shipping Name: N.A. DOT Hazard Class (if applicable) N.A.					
CHEMICAL AND PHYSICAL PROPERTIES					
Boiling Point (°F) <u>N.D.</u>		Vapor Pressure <u>N.D.</u> (mmHg)			
Specific Gravity <u>.8762</u> (H ₂ O = 1)		Vapor Density <u>N.D.</u> (Air = 1)			
Appearance and Odor <u>light pale liquid</u>					
pH of undiluted product <u>N.A.</u>		Solubility <u>N.D.</u>			
Percent Volatile by Volume <u>N.D.</u>		Evaporation <u>N.D.</u> () = 1			
Viscosity <u>64.5cSt @ 40°C</u>		Other <u>-</u>			
Hazardous Polymerizations <u> </u> Occur <u>X</u> Do not occur					
The Material Reacts Violently With (If others is checked below, see additional comments on page 4 for further details)					
Air	Water	Heat	Strong Oxidizers	Others	None of These
					X

ND - Not Determined NA - Not Applicable
< Less Than > Greater Than



COMPOSITION		Code No.
Components Presenting a Significant Hazard		00702
None		%
Other Components		%
Petroleum oil	Greater than 95	
Methacrylate polymer	Less than 1	
Additive package containing: sulfur, nitrogen, phosphorous	Less than 1	
Additive package containing: sulfur	Less than 1	
Ditertiarybutylphenol	Less than 1	
Aryl amine	Less than 1	
ADDITIONAL COMMENTS		
TEXACO INTENDS TO COMPLY FULLY WITH PROVISIONS OF THE TOXIC SUBSTANCES CONTROL ACT STATE OF MICHIGAN CRITICAL MATERIALS ACT (REVISED 1983) No critical materials present.		
To determine applicability or effect of any law or regulation with respect to this product, user should consult his legal advisor or the appropriate government agency. Texaco does not undertake to furnish advice on such matters.		
By <u>R. T. Richards</u>	Title <u>Mgr. Env. Conservation & Toxicology</u>	
Date <u>01-06-83</u>	☒ New	☐ Revised ☐ Supersedes

DO A 061420
CONFIDENTIAL