

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130 Charleston, WV 25305-0130

### Request for Quotation

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RFQ NUMBER FUELHD09 PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

VENDOR

\*709043621 304-277-3232 TRI STATE PETROLEUM CORPORATIO PO BOX 4006 N 27TH & VANCE AVE WHEELING WV 26003

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# GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- **11.** The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

### INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- **6. BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



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PO BOX 4006

WHEELING WV

N 27TH & VANCE AVE

State of West Virginia
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Purchasing Division
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TRI STATE PETROLEUM CORPORATIO

26003

304-277-3232

Request for Quotation

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PAGE 2

JO ANN ADKINS
304-558-8802

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AND POLITICAL SUBDIVISIONS
VARIOUS LOCALES AS INDICATED
BY ORDER

ADDRESS CHANGES TO BE NOTED ABOVE

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RFQ NUMBER FUELHD09 PAGE: 3

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ALL STATE AGENCIES AND POLITICAL SUBDIVISIONS VARIOUS LOCALES AS INDICATED BY ORDER

DATE PRINTED SHIP VIA TERMS OF SALE FREIGHT TERMS F.O.B. 08/28/2008 better COVER BID OPENING DATE: 09/23/2008 ΒÍĎ OPENING TIME 01:30PM LINE QUANTITY UOP ITEM NUMBER UNIT PRICE **AMOUNT** NO: UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT. RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) SIX (6) MONTH PERIODS CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN. OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANS-PORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME bf work.) QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY PRDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN. PRDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A SEE REVERSE SIDE FOR TERMS AND CONDITIONS TELEPHONE SIGNATURE

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ALL STATE AGENCIES
AND POLITICAL SUBDIVISIONS
VARIOUS LOCALES AS INDICATED
BY ORDER

FREIGHT TERMS DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. 08/28/2008 BID OPENING DATE: 09/23/2008 TIME O1:30PM BTD UOP QUANTITY AMOUNT LINE ITEM NUMBER UNIT PRICE WRITTEN STATE CONTRACT ORDER (FORM NUMBER WV-39) TO THE VENDOR FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL COPY OF THE WV-39 SHALL BE MAILED OR AN ELECTRONIC VERSION SHALL BE SENT TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT, A SECOND COPY MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT. IN THE EVENT THE VENDOR/CONTRACTOR FILES BANKRUPTCY: FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATI-CALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, UNCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. REV. 04/11/2001 EXHIBIT 6 PRICE ADJUSTMENT PROVISION: THE STATE OF WEST VIRGINIA WILL CONSIDER BIDS THAT CONTAIN PROVISIONS FOR PRICE ADJUSTMENTS PRIOR TO THE DRIGINAL EXPIRATION OF THE CONTRACT, PROVIDED THAT SUCH PRICE ADJUSTMENT COVERS BOTH UPWARD AND DOWNWARD MOVEMENT OF THE COMMODITY PRICE, AND THAT ADJUSTMENT is based on the "pass through" increase or decrease of RAW MATERIALS AND/OR LABOR, WHICH MAKE UP ALL OR A SUBSTANTIAL PART OF A PRODUCT. ADJUSTMENTS ARE TO BE SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE



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PO BOX 4006

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SIGNATURE

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DATE PRINTED TERMS OF SALE SHIP VIA FOB. FREIGHT TERMS 08/28/2008 ettei BID OPENING DATE: 09/23/2008 01:30PM CAT NO LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT BASED UPON AN ACTUAL DOLLAR FIGURE, NOT A PERCENTAGE. ALL PRICE ADJUSTMENT REQUESTS MUST BE SUBSTANTIATED IN A MANNER ACCEPTABLE TO THE DIRECTOR PURCHASING, E.G. GOVERNMENTAL BENCH MARKS, GENERAL MARKET INCREASE, PUBLISHED PRICE LISTS. SUCH REQUESTS FOR AND INCREASE SHOULD BE RECEIVED IN WRITING BY THE DIRECTOR OF PURCHASING AT LEAST 30 DAYS IN ADVANCE OF THE EFFECTIVE DATE OF THE INCREASE. ANY TIME THE VENDOR REQUESTS A PRICE ADJUSTMENT, THE PURCHASING DIVISION MAY EITHER ACCEPT THE PRICE ADJUSTMENT AND AMEND THE CONTRACT ACCORDINGLY OR REJECT THE ADUSTMENT IN ITS ENTIRETY AND CANCEL THE CONTRACT. PREFERRED TERMS: THE PRICES ON THIS CONTRACT ARE FIRM FOR LIFE OF THE CONTRACT, AS INDICATED IN THE LIFE OF CONTRACT CLAUSE CONTAINED HEREIN, NOT TO EXCEED SIX (6) MONTHS. EXHIBIT 4 LOCAL GOVERNMENT BODIES: UNLESS THE VENDOR INDICATES IN THE BID HIS REFUSAL TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO COUNTY, SCHOOL, MUNICIPAL AND OTHER LOCAL GOVERNMENT BODIES, THE BID SHALL EXTEND TO POLITICAL SUBDIVISIONS OF THE STATE OF WEST IF THE VENDOR DOES NOT WISH TO EXTEND THE VIRGINIA. PRICES, TERMS, AND COMPUTIONS OF THE BID TO ALL POLITICAL SUBDIVISIONS OF THE STATE, THE VENDOR MUST CLEARLY INDICATE SUCH REFUSAL IN HIS BID. SUCH REFUSAL SHALL NOT PREJUDICE THE AWARD OF THIS CONTRACT IN ANY MANNER.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

TELEPHONE

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DATE

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PURCHASING APPROPRIATE INFORMATION VERIFYING THAT	
BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED	
THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF	
TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX	
COMMISSIONER TO BE CONFIDENTIAL.	
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CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS	
CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND	
THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING	
CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE	
TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.	
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JO ANN ADKINS
304-558-8802

\*709043621 304-277-3232 TRI STATE PETROLEUM CORPORATIO PO BOX 4006 N 27TH & VANCE AVE WHEELING WV 26003

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WH	FN RESPONDING	TO REQ INSEE	T NAME AND	ADDRESS IN S	SPACE ABOVE LAB	ELED 'VENDOR'



State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

### Request for Quotation

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FUELHD09

PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF TO ANN ADKINS

JO ANN ADKINS 304-558-8802

\*709043621 304-277-3232 TRI STATE PETROLEUM CORPORATIO PO BOX 4006 N 27TH & VANCE AVE WHEELING WV 26003

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# REQUISITION NO.: FLIE! HD 09

### ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

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NO. 1 .....

NO. 2

NO. 3 .....

NO. 4 .....

NO. 5 ......

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

SIGNATURE

Tri State Petroleum

**COMPANY** 

7199/100

DATE

REV. 11/96



\*709043621

PO BOX 4006

N 27TH & VANCE AVE

WHEELING WV 26003

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

TRI STATE PETROLEUM CORPORATIO

304-277-3232

### Request for Quotation

RFQ NUMBER FUELHD09

1

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS \$04-558-8802

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09/10/2008   See G BID OPENING DATE: 09/23/2008 BTD	blacked coner letter
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Date:

## State of West Virginia

## **VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

Division will make the determination of the Resident Vendor Preference, if applicable.
Application is made for 2.5% resident vendor preference for the reason checked:  Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
Application is made for 2.5% resident vendor preference for the reason checked:  Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
Application is made for 2.5% resident vendor preference for the reason checked:  Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
Application is made for 5% resident vendor preference for the reason checked:  Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.
By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.
Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidder: Tri State Patroleium Signed: La Clar

<sup>\*</sup>Check any combination of preference consideration(s) in either "A" or "B", or both "A" and "B" which you are entitled to receive. You may request up to the maximum of 5% preference for both "A" and "B".



RFQ COPY

TYPE NAME/ADDRESS HERE

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

# Request for Quotation FUELHD09

ADDRESSICORRESPONDENCE TO APPENDION OF JO ANN ADKINS 304-558-8802

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# GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West-Virginia-Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

### INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- **6. BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



RFQ COPY

TYPE NAME/ADDRESS HERE

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

# Request for Guotation FUELHD09

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vaddress:correspondences:oxathenhiontors JO ANN ADKINS 304-558-8802

ALL STATE AGENCIES AND POLITICAL SUBDIVISIONS VARIOUS LOCALES AS INDICATED BY ORDER

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WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

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### **INSTRUCTIONS TO BIDDERS**

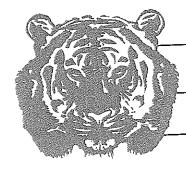
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ONE ONE ONE ONE ONE ONE TWO	TYPE OF FUEL: #1 Diesel/Kerosene	ESTIMATED Needs: - Gallons 6 mo.	FIRM MARKUP PRICE PER	FIRM MARKUP PRICE PER
ONE ONE ONE ONE			GALLON: T/W	GALLON: T/T
ONE ONE ONE TWO		20,000	No bid	0.112
ONE ONE TWO	#2 Diesel	225,000	No bid	0.113
ONE	#2 Diesel/Winter Additive	1,000	No bid	0.122
TWO	#1Heating/Kerosene	5,000	No bid	0.095
	#2 Heating	1,000	No bid	0.095
	#1 Diesel/Kerosene	20,000	\$	\$ .
TWO	#2 Diesel	150,000	\$	\$
TWO	#2 Diesel/Winter Additive	1,000	\$	\$
TWO	#1Heating/Kerosene	10,000	\$	\$
TWO	#2 Heating	1,000	\$	\$
THREE	#1 Diesel/Kerosene	20,000	<u> </u>	<u>.</u> \$
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		45,000		<b>\$</b>
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FOUR	#1Heating/Kerosene	10,000	\$	\$
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FUUR	#2 Heating	1,000	\$	<b> \$</b>
FIVE	#1 Diesel/Kerosene	30,000	\$	\$
FIVE	#2 Diesel	185,000	\$	\$
FIVE	#2 Diesel/Winter Additive	1,000	\$	\$
FIVE	#1Heating/Kerosene	5,000	\$	\$
FIVE	#2 Heating	10,000	\$	\$
SIX	#1 Diesel/Kerosene	40,000	0.1312	0.1049
SIX	#2 Diesel	140,000	0.1708	0.1099
SIX	#2 Diesel/Winter Additive	1,000	0.1763	0.1039
SIX	#1Heating/Kerosene	1,000	. 0.1345	
SIX	#2 Heating	1,000	0.1345	Part to the same of the same o
SEVEN	#1 Diesel/Kerosene	35,000	\$	\$
SEVEN	#2 Diesel		\$	\$
SEVEN	#2 Diesel/Winter Additive		\$	\$
SEVEN	#1Heating/Kerosene	1,000	·\$	\$
SEVEN	#2 Heating	1,000	\$	\$
EIGHT	#1 Diesel/Kerosene	30,000	\$	\$
EIGHT	#2 Diesel		\$	\$
EIGHT	#2 Diesel/Winter Additive		\$	\$
				-
EIGHT	#1Heating/Kerosene	15,000	\$	\$
EIGHT	#2 Heating	1,000	\$	\$
NINE	#1 Diesel/Kerosene	Page 1 of 2 30,000	\$	\$

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5,071,01	TYPE OF FUEL:	ESTIMATED Needs: - Gallons 6 mo.	FIRM MARKUP PRICE PER GALLON: T/W	FIRM MARKUP PRICE PER GALLON: T/T
NINE	#2 Diesel	225,000	\$	\$
NINE	#2 Diesel/Winter Additive	1,000	\$	\$
NINE	#1Heating/Kerosene	1,000	\$	\$
NINE	#2 Heating	5,000	\$	\$
TEN	#1 Diesel/Kerosene	2,000	\$	\$
TEN	#2 Diesel	175,000	\$	\$
TEN	#2 Diesel/Winter Additive	1,000	\$	\$
TEN	#1Heating/Kerosene	1,000	\$	\$
TEN	#2 Heating	1,000	\$	\$
inimum Gallonage t	or T/T Diesel & Heating Oil:	7,200		
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nergency Fee (Upc	harge):		\$100.00	)
ontract Coordinator	: Kevin Olson		Fax Number:	304-277-1437
none Number:	800-541-3835 ext 13		Email Address:	kolson@tspnet.com
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ONE   #1 DisselfKerosene   20,000   No bild	DICTO:	TOPE OF FIRE	ESTIMATED Needs: -	FIRM MARKUP PRICE PER	FIRM MARKUP PRIC
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ONE         #2 Diesel/Winter Additive         1,000         No bid           ONE         #1 Heating/Kerosene         5,000         No bid           ONE         #2 Heating         1,000         No bid           TWO         #2 Diesel/Rerogene         20,000         \$         \$           TWO         #2 Diesel/Winter Additive         1,000         \$         \$           TWO         #2 Diesel/Winter Additive         1,000         \$         \$           TWO         #1 Heating/Kerosene         10,000         \$         \$           TWO         #1 Heating/Kerosene         20,000         \$         \$           THREE         #1 Diesel/Kerosene         20,000         \$         \$           THREE         #2 Diesel         240,000         \$         \$           THREE         #2 Diesel/Merosene         1,000         \$         \$           THREE         #2 Diesel/Merosene         1,000         \$         \$           FOUR         #1 Diesel/Kerosene         45,000         \$         \$           FOUR         #2 Diesel/Minter Additive         1,000         \$         \$           FOUR         #1 Diesel/Kerosene         30,000         \$         \$ <td>ONE</td> <td>#1 Diesel/Kerosene</td> <td>20,000</td> <td>No bid</td> <td></td>	ONE	#1 Diesel/Kerosene	20,000	No bid	
ONE					
No bid   N					
TWO					
TWO   #2 Diesel   150.000   \$   \$   \$   \$   \$   \$   \$   \$   \$	ONE	#2 Heating	1,000	No bid	
TWO	TWO	#1 Diesel/Kerosene	20,000	\$	\$
TWO	TWO	#2 Diesel	150.000	\$	s
TWO		#2 Diesel/Winter Additive			
TWO #2 Heating				\$	\$
THREE #1 Diesel/Kerosene 20,000 \$ \$ \$ THREE #2 Diesel 240,000 \$ \$ \$ THREE #2 Diesel 240,000 \$ \$ \$ THREE #3 Diesel/Kerosene 1,000 \$ \$ \$ THREE #1 Heating/Kerosene 1,000 \$ \$ \$ THREE #1 Heating/Kerosene 1,000 \$ \$ \$ THREE #2 Diesel/Kerosene 445,000 \$ \$ \$ FOUR #1 Diesel/Kerosene 445,000 \$ \$ \$ FOUR #2 Diesel 275,000 \$ \$ \$ FOUR #2 Diesel 275,000 \$ \$ \$ FOUR #2 Diesel 1,000 \$ \$ \$ FOUR #1 Heating/Kerosene 10,000 \$ \$ \$ FOUR #2 Heating 1,000 \$ \$ \$ FOUR #2 Heating 1,000 \$ \$ \$ FOUR #2 Heating 1,000 \$ \$ \$ FIVE #1 Diesel/Kerosene 30,000 \$ \$ \$ FIVE #2 Diesel/Winter Additive 1,000 \$ \$ SIX #2 Diesel/Winter Additive 1,000 0,0712 0,0443 SIX #2 Diesel/Winter Additive 1,000 0,0745 0,035 SIX #2 Diesel/Winter Additive 1,000 \$ \$ SEVEN #2 DIESEL/Winter Add					
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FIVE	FOUR	#1Heating/Kerosene	10,000	\$	\$
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FIVE         #1Heating/Kerosene         5,000         \$           FIVE         #2 Heating         10,000         \$           SIX         #1 Diesel/Kerosene         40,000         0.0712         0.0443           SIX         #2 Diesel         140,000         0.1108         0.0499           SIX         #2 Diesel/Winter Additive         1,000         0.1262         0.0649           SIX         #1Heating/Kerosene         1,000         0.0745         0.035           SIX         #2 Heating         1,000         0.0745         0.035           SEVEN         #1 Diesel/Kerosene         35,000         \$         \$           SEVEN         #2 Diesel         245,000         \$         \$           SEVEN         #2 Diesel/Winter Additive         1,000         \$         \$           SEVEN         #1 Diesel/Kerosene         1,000         \$         \$           SEVEN         #2 Heating         1,000         \$         \$           SEVEN         #1 Heating/Kerosene         1,000         \$         \$           SEVEN         #2 Heating         1,000         \$         \$           EIGHT         #2 Diesel/Winter Additive         1,000         \$ <td< td=""><td></td><td>#2 Diesel</td><td></td><td></td><td></td></td<>		#2 Diesel			
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SEVEN         #2 Diesel/Winter Additive         1,000         \$           SEVEN         #1Heating/Kerosene         1,000         \$           SEVEN         #2 Heating         1,000         \$           EIGHT         #1 Diesel/Kerosene         30,000         \$           EIGHT         #2 Diesel         185,000         \$           EIGHT         #2 Diesel/Winter Additive         1,000         \$           EIGHT         #1Heating/Kerosene         15,000         \$		#2 Diesel	245 000	s	s
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	EIGHT	#2 Diesel/Winter Additive	1,000	\$	\$
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	EIGHT	#2 Heating	1,000	\$	\$

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DISTRICT	TYPE OF FUEL:	ESTIMATED Needs: - Gallons 6 mo.	FIRM MARKUP PRICE PER GALLON: T/W	FIRM MARKUP PRICE PER GALLON: T/T
NINE	#2 Diesel	225,000	\$	\$
NINE	#2 Diesel/Winter Additive	1,000	\$	\$
NINE	#1Heating/Kerosene	1,000	\$	\$
NINE	#2 Heating	5,000	\$	\$
TEN	#1 Diesel/Kerosene	2,000	\$	\$
TEN	#2 Diesel	175,000	\$	\$
TEN	#2 Diesel/Winter Additive	1,000	\$	\$
TEN	#1Heating/Kerosene	1,000	\$	\$
TEN	#2 Heating	1,000	\$	\$
nimum Gallonage	for T/T Diesel & Heating Oil:	7,200		
eliver gasoline and	distillates on the same T/T Load?		Can not deliver gas and	kero on same transport
ole to split deliver	es between multiple locations?		N N	0
nergency Fee (Up	charge):		\$100 per deliver	у
ontract Coordinate	or: Kevin Olson		Fax Number:	304-277-1437
none Number:	800-541-3835 ext 13		Email Address:	kolson@tspnet.com
ignature:	e de			:
ate: Q	20108			
ubmit (below) pot	ential Terminals where vendor will be o	obtaining fuel:		
ltoona, Pa Termina	T			



# <u>Product Data Sheet</u>

# DISTILLATE FUELS FOR DIESEL ENGINES, BURNERS AND GAS TURBINES

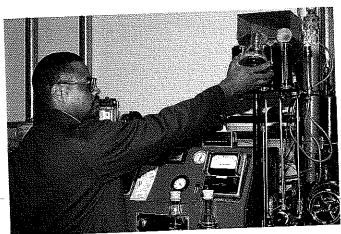
Exxon distillate fuels offer the following features and benefits:

- Meet ASTM specifications:
  - D 975 Diesel Fuels, Grade Low Sulfur No. 1-D, Grade Low Sulfur No. 2-D, and No. 2-D
  - D 396 Burner Fuels, No. 2 fuel oil
  - D 2880 Gas Turbine Fuels, No. 1-GT and No. 2-GT
  - D 3699, grade 2-K kerosene
- Diesel fuel cetane monitored in Exxon Research engines
- Distillate fuels blended from chemically stable stocks
- Non-corrosive, low ash and metals content
- High degree of cleanliness
- Excellent water-shedding properties
- Consistent combustion characteristics
- Documented quality control programs at Exxon refineries and distribution terminals

Exxon carefully blends and tests its distillate fuels (diesel fuel, kerosene, and heating oil) to meet industrial and automotive specifications for virtually all diesel engines, stationary gas turbines, and fuel oil burner equipment.

## STRICT QUALITY CONTROL

Detailed distillate quality control procedures are strictly enforced at every stage of Exxon's manufacturing, distribution, and terminalling operations. Critical manufacturing processes, such as blending for diesel fuel cetane and treating for distillate fuel chemical stability, are regularly monitored through special tests conducted by Exxon Research and Engineering. All distributed bulk distillate fuels are field tested to ensure that they are properly identified, clean, and uncontaminated by other products.



A technician at Exxon Research and Engineering uses an ASTM D 613 laboratory cetane engine to check the cetane number of EXXON DIESEL fuel.

If this publication is more than two years old, please contact Exxon to ensure that it is the current issue.











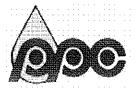
# **Performance Specialties**

Legal Diesel™ Fuel Additive EC-1

EC-1 is a middle distillate winter flow improver additive. It functions as a wax modifier to improve low temperature operability and to enhance a wide spectrum of performance properties in low sulfur, and ultra-low sulfur diesel fuel.

Innospec Fuel Specialties is the only manufacturing company solely focused on fuel and fuel additive technology.

Petroleum Products Corp. (717) 939-0466



EC-1 provides the following performance benefits:

- · Lowers Cold Filter Plugging Point
- Lower Pour Point
- Prevents fuel gelling in low temperatures
- Disperses wax during extended engine shutdowns in cold climates
- · Aids against fuel filter icing
- Water dispersant to help safely remove water on a gradual basis
- · Caustic resistant corresion inhibitor
- Fully synthetic ester lubricity
   Improver.
- Diesel detergent

#### Addition

EC-1 may be continuously blended into diesel fuel as a concentrate or as a stock solution. Proper blending and handling procedures must be followed due to the nature of all low temperature operability additives. Blend the additive with the fuel at temperatures at least 10°F above the cloud point of the fuel. Ensure the additive is at or above the minimum handling temperatures to avoid potential performance issues. Verify that the additive is completely dissolved into the fuel.

### Material Compatibility

EC-1 is compatible with the following materials of construction: mild steel, 304 stainless steel, 316 stainless steel, Teflon, and Viton. Do not use with Hypalon, ethylene propylene, neoprene, Buna-N, or natural rubber. Copper, brass, or bronze (yellow metals) should not be used with neat additive.

# Personal Safety, First Aid and Storage and Handling

See the Material Safety Data Sheet for product specific information.



### 40CFR80.591 Compliance Statement:

The sulfur content of this diesel fuel additive does not exceed 15 ppm. This is a LEGAL DIESEL TM Fuel Additive product.

Typical Properties		1912 (n. 1914 - 1914 ) - 1916 (n. 1916 ) 1920 (n. 1916 ) 1917   1917   1917   1917   1917   1917   1917   1917   1917   1917   1917   1917   1917   1917   1917   1917
Appearance	42 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	pale yellow liquid
Specific Gravity, 60/6	0°F (15.6/15.6°C)	0.881
Density, lb./gai, 60°F,	(15.6°C)	7.34
Flash Point, PMCC. °		86 (30)
Pour Point, °F (°C)		27.4 (-33)
Viscosity, cSt @	100°F (37.8°C)	
	32°F (0°C)	
	0°F (-17.8°C).	
	-10°F (-23.3°C)	27

EPA Maximum Treat Rate = 3000 mg/L



Edition f2 Issue 1 PPC 10/2006 CCK

# EXonMobil

123455-22 DIESEL #2, ON-ROAD (LOW SULFUR) MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DIESEL #2, ON-ROAD (LOW SULFUR)

SUPPLIER: EXXONMOBIL OIL CORPORATION

3225 GALLOWS RD. FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411

24 - Hour Transportation Emergency:

CHEMTREC: 800-424-9300 \( \) 202-483+7616

LUBES AND FUELS: 281-834-3296

Product and Technical Information:

Lubricants and Specialties: 800-662-4525 800-443-9966

Fuels Products: 800-947-9147 MSDS Fax on Demand: 613-228-1467

MSDS Internet Website: http://emmsds.ihssolutions.com/

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: HYDROCARBONS AND ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

Substance Name

Approx. Wt%

DIESEL FUEL (68334-30-5)

100

COMPONENT(S) OF PRODUCT INGREDIENTS INCLUDE:

NAPHTHALENE (91-20-3) 0.5

ETHYL BENZENE (100-41-4)

0.5

NOTE: Composition may contain up to 0.5% performance additive.

See Section 8 for exposure limits (if applicable).

#### 3. HAZARDS IDENTIFICATION

This product is considered hazardous according to regulatory guidelines (See Section 15).

EMERGENCY OVERVIEW: Clear (May Be Dyed) Liquid. Material is combustible. Liquid can release vapors that readily form flammable mixtures at or above the flash point. Product can accumulate a static charge which may cause a fire or explosion. DOT ERG No.: 128

POTENTIAL HEALTH EFFECTS: Respiratory irritation, headache, dizziness, nausea, loss of consciousness, and in cases of extreme exposure, possibly death. Diesel exhaust may cause lung cancer.

Prolonged, repeated skin contact may result in skin irritation or more serious skin disorders. Low viscosity material-if swallowed may enter the lungs and cause lung damage. Note: This product contains polycyclic aromatic hydrocarbons, some of which have been reported to cause skin cancer in test animals and in humans under conditions of poor personal hygiene and prolonged repeated contact.

POTENTIAL ENVIRONMENTAL EFFECTS: Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

For further health effects/toxicological data, see Section 11.

### 4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Remove contaminated clothing. Dry wipe exposed skin and cleanse yourself with waterless hand cleaner and follow by washing thoroughly with soap and water. For those providing assistance, avoid further contact to yourself or others. Wear impervious gloves. Launder contaminated clothing separately before reuse. Discard contaminated articles that cannot be laundered. (See Section 16 - Injection Injury)

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use mouth-to-mouth resuscitation.

INGESTION: Seek immediate medical attention. Do not induce vomiting.

NOTE TO PHYSICIANS: Material if aspirated into the lungs may cause chemical pneumonitis. PRE-EXISTING MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE: Hydrocarbon Solvents/Petroleum Hydrocarbons- Skin contact may aggravate an existing dermatitis.

### 5. FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective, but water should be used to keep fire-exposed containers cool. Prevent runoff from fire control or dilution from entering streams,

sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is combustible. Liquid can release vapors that readily form flammable mixtures at or above the flash point. Product can accumulate a static charge which may cause a fire or explosion.

COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Flash Point C(F): > 55(131) (ASTM D-93).

Flammable Limits (approx.% vol.in air) - LEL: 0.6%, UEL: 7.0% NFPA HAZARD ID: Health: 1, Flammability: 2, Reactivity: 0

### 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: Eliminate sources of ignition. Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping using explosion-proof equipment or contain spilled liquid with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13.

WATER SPILL: Eliminate sources of ignition and warn other ships in the vicinity to stay clear. Notify port and other relevant authorities. Confine with booms if skimming equipment is avaliable to recover the spill. Otherwise disperse in unconfined waters, if permitted by local authorities and environmental agencies. If permitted by regulatory authorities the use of suitable dispersants

procedures.
ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation.

should be considered where recommended in local oil spill

PERSONAL PRECAUTIONS: See Section 8

#### 7. HANDLING AND STORAGE

HANDLING: Keep product away from high energy ignition sources, heat, sparks, pilot lights, static electricity, and open flame.

Harmful in contact with or if absorbed through the skin. Avoid inhalation of vapors or mists. Use in well ventilated area away from all ignition sources. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Store in a cool area. Avoid sparking conditions. Ground and bond all transfer equipment.

SPECIAL PRECAUTIONS: To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or

ground product transfer system. Do not use electronic devices (including but not limited to cellular phones, computers, calculators, pagers, etc.) in or around any fueling operation or storage area unless the devices are certified intrinsically safe by an approved national testing agency and to the safety standards required by national and/or local laws and regulations. Electrical equipment and fittings must comply with local fire prevention regulations for this class of product. Use the correct grounding procedures. Refer to national or local regulations covering safety at petroleum handling and storage areas for this product.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMITS:

ExxonMobil recommends an 8-hour time-weighted average (TWA) exposure of 500 mg/m3 total vapor (approx. 100 ppm) or 5 mg/m3 stable aerosols.

Substance Name (CAS-No.)	Source	-	TWA mg/m3,		•	NOTE
,					~~~~	
NAPHTHALENE (91-20-3)	•		1			
	OSHA	10	50	15	75	
·	ACGIH	10	52	15	79	
ETHYL BENZENE (100-41-4)						
	OSHA	100	435	125	545	
	ACGIH	100	434	125	543	

NOTE: Limits shown for quidance only. Follow applicable regulations.

VENTILATION: Use in well ventilated area with local exhaust ventilation. Ventilation equipment must be explosion proof. Use away from all ignition sources.

RESPIRATORY PROTECTION: Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the recommended exposure limit. Self-contained breathing apparatus may be required for use in confined or enclosed spaces.

EYE PROTECTION: If splash with liquid is possible, chemical type goggles should be worn.

SKIN PROTECTION: Impervious gloves must be worn. If contact is likely

oil impervious clothing must be worn. Good personal hygiene practices should always be followed.

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9. PHYSICAL AND CHEMICAL PROPERTIES
Typical physical properties are given below. Consult Product Data Sheet
for specific details.
APPEARANCE: Liquid
COLOR: Clear (May Be Dyed)
ODOR: Hydrocarbon
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): > 149(300)
MELTING POINT C(F): NA
FLASH POINT C(F): > 55(131) (ASTM D-93)
FLAMMABILITY (solids): NE
AUTO FLAMMABILITY C(F): NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: 0.5
VAPOR DENSITY: > 2.0
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.82-0.87
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: > 1.0
VISCOSITY AT 100 C, cSt: NE
POUR POINT C(F): < -7(20)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
DMSO EXTRACT, IP-346 (WT.%): NA
           NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES
FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE
10. STABILITY AND REACTIVITY
______
STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.
INCOMPATIBILITY (MATERIALS TO AVOID): Halogens, strong acids,
    alkalies, and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at
     ambient temperatures.
HAZARDOUS POLYMERIZATION: Will not occur.
11. TOXICOLOGICAL DATA
                        ---ACUTE TOXICOLOGY---
ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000
    mg/kg). ---Based on testing of similar products and/or the
    components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than
    2000 mg/kg). ---Based on testing of similar products and/or the
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components.

- EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
- SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

### ---SUBCHRONIC TOXICOLOGY (SUMMARY) ---

Repeated dermal application of middle distillates, heating oils and diesel oils to rabbits for 2-4 weeks at up to 1 gm/kg resulted in strong to severe skin irritation with some weight loss at the higher dose. Toxic effects ranging from weight loss to mortality was observed in rabbits treated repeatedly with very high doses (6 gm/kg) of these oils. Repeated inhalation exposure of middle distillate and diesel vapor and aerosol to rats for 2-4 weeks at up to 6 mg/l resulted in respiratory tract irritation, lung changes/infiltration/accumulation, and some reduction in lung function.

### --- REPRODUCTIVE TOXICOLOGY (SUMMARY) ---

Diesel fuel vapors were tested in an inhalation teratology (developmental toxicity) study in rats and when only minimal maternal toxicity was observed, no fetotoxic or developmental effects were observed. A developmental toxicity study of dermally applied middle distillates did indicate fetotoxicity (reduced litter size, litter weight, increased resorptions) at doses that also caused significant maternal toxicity.

#### ---CHRONIC TOXICOLOGY (SUMMARY) ---

Diesel fuel, heating oil and middle distillates have been shown to be carcinogenic in lifetime mouse skin painting bioassays. While in some cases, the tumor incidence is low in the test populations and possibly associated with skin irritation, concurrent evidence from short-term predicative tests (Modified Ames) does indicate some level of mutagenic activity associated with levels of polycylic aromatic compounds in certain test samples.

#### ---SENSITIZATION (SUMMARY)---

Middle distillate oils were not skin sensitizers when tested in a Modified Buehler Guinea Pig Sensitization Assay.

### ---OTHER TOXICOLOGY DATA---

Overexposure to diesel exhaust fumes may result in eye irritation, headaches, nausea, and respiratory irritation. Animal studies involving lifetime exposure to high levels of diesel exhaust have produced variable results, with some studies indicating a potential for lung cancer. Limited evidence from epidemiological studies suggest an association between long-term occupational exposure to diesel engine emissions and lung cancer. Diesel engine exhaust typically consists of gases and particulates, including carbon dioxide, carbon monoxide, nitrogen compounds, oxides of sulfur, and hydrocarbons. Diesel exhaust composition will vary with fuel, engine type, load cycle, engine maintenance,

tuning and exhaust gas treatment. Use of adequate ventilation and/or respiratory protection in the presence of diesel exhaust is recommended to minimize exposures. This product contains ethylbenzene. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as possibly carcinogenic to humans (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.

#### 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE AND EFFECTS:

In the absence of specific environmental data for this product, this assessment is based on information for representative substances.

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- ECOTOXICITY: Based on test results for similar products, this substance may be toxic to aquatic organisms such as algae and daphnia (EL50/ IrL50 =1-10 mg/L). This substance has also been shown to be toxic to specific fish species (LL50 = 1-10 mg/L for rainbow trout, Atlantic silverside).
- MOBILITY: Dissolution of the higher molecular weight hydrocarbon components in water will be limited, but losses through sediment adsorption may be significant.
- PERSISTENCE AND DEGRADABILITY: The majority of the components in this product are expected to be inherently biodegradable. The consitituents of diesel fuels/heating oil which are volatilized will photodegrade in the atmosphere. The less volatile, more water-soluble components which are aromatic hydrocarbons will also undergo aqueous photodegradation.

BIOACCUMULATIVE POTENTIAL: Not established.

#### 13. DISPOSAL CONSIDERATIONS

- WASTE DISPOSAL: Product is suitable for burning for fuel value in compliance with applicable laws and regulations.
- RCRA INFORMATION: Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity, or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

FLASH: > 55(131) C(F)

#### 14. TRANSPORT INFORMATION

NOTE: The flash point of this material is > 131F. Regulatory classifications vary as follows:

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Flammable Liquid OR Combustible Liquid - (49CFR 173.120(b)(2))
DOT:
          Combustible Liquid
OSHA:
IATA/IMO: Flammable Liquid
USA DOT:
                             Diesel Fuel
   SHIPPING NAME:
                             COMBUSTIBLE LIQUID
  HAZARD CLASS & DIV:
                             NA1993
  ID NUMBER:
  ERG NUMBER:
                             128
  PACKING GROUP:
                             PG III
                             NE
  STCC:
  DANGEROUS WHEN WET:
                             No
  POISON:
                             ЙO
                             NA
  LABEL(s):
                             Combustible
  PLACARD(s):
                             NA
  PRODUCT RQ:
                             NA
  MARPOL III STATUS:
RID/ADR:
  HAZARD CLASS:
                             III
  PACKING GROUP:
  LABEL:
                           3.0
  DANGER NUMBER:
                             1202
  UN NUMBER:
                           Gas Oil
  SHIPPING NAME:
  REMARKS:
                             NA
IMO:
  HAZARD CLASS & DIV:
                             1202
  UN NUMBER:
                            PG III
  PACKING GROUP:
                            Gas Oil
  SHIPPING NAME:
                            Flammable Liquid
  LABEL(s):
  MARPOL III STATUS:
                            NA
ICAO/IATA:
                            3
  HAZARD CLASS & DIV:
                             1202
  ID/UN Number:
                            PG III
  PACKING GROUP:
                             Gas Oil
  SHIPPING NAME:
                             NA
  SUBSIDIARY RISK:
                             Flammable Liquid
  LABEL(s):
```

STATIC ACCUMULATOR (50 picosiemens or less): YES

#### 15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.

EU Labeling: Product is dangerous as defined by the European Union Dangerous Substances/Preparations Directives.

Symbol: Xn N Harmful, Dangerous for the environment.

Risk Phrase(s): R40-65-66-51/53.

Limited evidence of a carcinogenic effect. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s): S24-2-36/37-62.

Avoid contact with skin. Keep out of the reach of children. Wear suitable protective clothing and gloves. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains: Gas oil - unspecified.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, METI, DSL, KOREA, and PHILIPPINES.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: FIRE CHRONIC ACUTE

This product contains the following SARA (313) Toxic Release Chemicals:

CHEMICAL NAME	CAS NUMBER	CONC.
ETHYL BENZENE (COMPONENT	100-41-4	0.5%
ANALYSIS)		

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
NAPHTHALENE (COMPONENT ANALYSIS)	91-20-3	16, 22
(0.50%)		
ETHYL BENZENE (COMPONENT ANALYSIS)	100-41-4	1, 8, 24
DIESEL OIL., C9-20	68334-30-5	21, 26

			REGULATOR	Z LIS	TS SEAF	CHEI	)		
1=ACGIH AI	L 6=IARC	1	11=TSCA	4	16≃CA	P65	CARC	21=LA	RTK
2=ACGIH A1	7=IARC	2A	12=TSCA	5a2	17=CA	P65	REPRO	22=MI	293
3=ACGIH A2	8=IARC	2B	13=TSCA	5e	18=CA	RTK		23 = MN	RTK
4=NTP CARC	9=OSHA	CARC	C 14=TSCA	6	19=FL	RTK		24=NJ	RTK
5=NTP SUS	10=OSHA	$\mathbf{z}$	15=TSCA	12b	20=IL	RTK		25=PA	RTK
								26=RI	RTK

<sup>\*</sup> EPA recently added new chemical substances to its TSCA Section 4 test rules. Please contact the supplier to confirm whether the ingredients in this product currently appear on a TSCA 4 or TSCA 12b list.

Code	key	:CARC=Carcinogen;	SUS=Suspected	Carcinogen;	REPRO~Reproductive

16. OTHER INFORMATION

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USE: DIESEL FUEL

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Precautionary Label Text:

CONTAINS DIESEL OIL.. C9-20

### WARNING!

COMBUSTIBLE LIQUID AND VAPOR. RESPIRATORY IRRITATION, HEADACHE, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS, AND IN CASES OF EXTREME EXPOSURE, POSSIBLY DEATH. LOW VISCOSITY MATERIAL-IF SWALLOWED, MAY BE ASPIRATED AND CAN CAUSE SERIOUS OR FATAL LUNG DAMAGE.

MAY CAUSE SKIN CANCER ON PROLONGED, REPEATED SKIN CONTACT. ANIMAL SKIN ABSORPTION STUDIES RESULTED IN INCREASED MORTALITY, EFFECTS ON BODY WEIGHT, THE IMMUNE SYSTEM AND THE UNBORN CHILD. PROLONGED, REPEATED SKIN CONTACT MAY CAUSE IRRITATION. DIESEL EXHAUST MAY CAUSE LUNG CANCER.

Keep away from heat and flame. Avoid prolonged or repeated overexposure by skin contact or inhalation. Use with adequate ventilation. Keep container closed. Keep out of reach of children.

FIRST AID: If inhaled, remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. In case of contact, remove contaminated clothing. Dry wipe the exposed skin and cleanse with waterless hand cleaner and follow by washing thoroughly with soap and water. For those providing assistance, avoid further skin contact to yourself and others. Wear impervious gloves. If swallowed, seek immediate medical attention. Do not induce vomiting. Only induce vomiting at the instruction of a physician.

This warning is given to comply with California Health and Safety Code 25249.6 and does not constitute an admission or a waiver of rights. This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. Chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm are created by the combustion of this product. Refer to product Material Safety Data Sheet for further safety and health information.

EHS Approval Date: 03APR2003

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Exxon Mobil Corporation and its affiliated companies assume no responsibility for accuracy of information unless the document is the most current available from an official ExxonMobil distribution system. Exxon Mobil Corporation and its affiliated companies neither represent nor warrant that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

Prepared by: ExxonMobil Oil Corporation
Environmental Health and Safety Department, Clinton, USA

# **E**XonMobil

159004-01 LOW SULFUR #1 DIESEL MATERIAL SAFETY DATA BULLETIN

#### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LOW SULFUR #1 DIESEL SUPPLIER: EXXONMOBIL OIL CORPORATION 3225 GALLOWS RD.
FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411

24 - Hour Transportation Emergency: CHEMTREC: 800-424-9300 202-483-7616

LUBES AND FUELS: 281-834-3296

Product and Technical Information:

Lubricants and Specialties: 800-662-4525 800-443-9966

Fuels Products: 800-947-9147 MSDS Fax on Demand: 713-613-3661

MSDS Internet Website: http://www.exxon.com, http://www.mobil.com

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: HYDROCARBONS AND ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

Substance Name Approx. Wt% -----DIESEL FUEL (68334-30-5) 100

See Section 8 for exposure limits (if applicable).

#### 3. HAZARDS IDENTIFICATION

This product is considered hazardous according to regulatory guidelines (See Section 15).

EMERGENCY OVERVIEW: Clear (May Be Dyed) Liquid. Material is combustible. DOT ERG No.: 128

POTENTIAL HEALTH EFFECTS: Respiratory irritation, dizziness, nausea, loss of consciousness. Prolonged, repeated skin contact may result in skin irritation or more serious skin disorders. Low viscosity material—if swallowed may enter the lungs and cause lung damage. Note: This product contains polycyclic aromatic hydrocarbons, some of which have been reported to cause skin cancer in humans under conditions of poor personal hygiene, prolonged repeated contact, and exposure to sunlight. Toxic effects are unlikely to occur if good personal hygiene is practiced.

For further health effects/toxicological data, see Section 11.

#### 4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Remove contaminated clothing. Dry wipe exposed skin and cleanse yourself with waterless hand cleaner and follow by washing thoroughly with soap and water. For those providing assistance, avoid further contact to yourself or others. Wear impervious gloves. Launder contaminated clothing separately before reuse. Discard contaminated articles that cannot be laundered.

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation.
INGESTION: Seek immediate medical attention. Do not induce vomiting.
NOTE TO PHYSICIANS: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.

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#### 5. FIRE-FIGHTING MEASURES !

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is combustible.

COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Flash Point C(F): > 52(125) (ASTM D-93).

Flammable Limits (approx.% vol.in air) - LEL: 0.6%, UEL: 7.0% NFPA HAZARD ID: Health: 1, Flammability: 2, Reactivity: 0

#### 6. ACCIDENTAL RELEASE MEASURES

authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

#### 7. HANDLING AND STORAGE

HANDLING: Harmful in contact with or if absorbed through the skin.

Avoid inhalation of vapors or mists. PORTABLE CONTAINERS

approved for storing fuel must be placed on the ground and the

nozzle must stay in contact with the container when filling to

prevent build up and discharge of static electricity.

STORAGE: Store in a cool area. A flammable atmosphere can be produced in storage tank headspaces even when stored at a temperature below the flashpoint. Monitor and maintain headspace gas concentrations below flammable limits. Ensure that there are no ignition sources in the area immediately surrounding filling and venting operations. Avoid sparking conditions. Ground and bond all transfer equipment. Store in a cool area.

SPECIAL PRECAUTIONS: To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Do not use electronic devices (including but not limited to cellular phones, computers, calculators, pagers, etc.) in or around any fueling operation or storage area unless the devices are certified intrinsically safe by an approved national testing agency and to the safety standards required by national and/or local laws and regulations. Electrical equipment and fittings must comply with local fire prevention regulations for this class of product. Use the correct grounding procedures. Refer to national or local regulations covering safety at petroleum handling and storage areas for this product.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMITS:

ExxonMobil recommends an 8-hour time-weighted average (TWA) exposure of 500 mg/m3 total vapor (approx. 100 ppm) or 5 mg/m3 stable aerosols.

VENTILATION: Use in well ventilated area. Ventilation desirable and equipment should be explosion proof.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: If splash with liquid is possible, chemical type goggles should be worn.

SKIN PROTECTION: Impervious gloves must be worn. If contact is likely oil impervious clothing must be worn.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

\_\_\_\_\_\_

APPEARANCE: Liquid

COLOR: Clear (May Be Dyed)

ODOR: Hydrocarbon

ODOR THRESHOLD-ppm: NE

AK :Hq

BOILING POINT C(F): > 149(300)

MELTING POINT C(F): NA

FLASH POINT C(F): > 52(125) (ASTM D-93)

FLAMMABILITY (solids): NE

AUTO FLAMMABILITY C(F): NE

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: 0.5

VAPOR DENSITY: > 2.0

EVAPORATION RATE: NE

RELATIVE DENSITY, 15/4 C: 0.82-0.87

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: NE

VISCOSITY AT 40 C, cSt: > 1.0

VISCOSITY AT 100 C, cSt: NE

POUR POINT C(F): < -7(20)

FREEZING POINT C(F): NE

VOLATILE ORGANIC COMPOUND: NE

DMSO EXTRACT, IP-346 (WT.%): NA

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

#### 10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.

CONDITIONS TO AVOID: Heat, sparks, flame and build up of static electricity.

INCOMPATIBILITY (MATERIALS TO AVOID): Halogens, strong acids, alkalies, and oxidizers.

HAZ ARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at

#### 11. TOXICOLOGICAL DATA

#### --- ACUTE TOXICOLOGY---

- ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
- DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
- INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.
- EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
- SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

#### ---SUBCHRONIC TOXICOLOGY (SUMMARY) ---

Repeated dermal application to rats for 13 weeks was carried out with aromatic oils similar to some of the components of this product. Resulting effects included increased mortality and decreased body and thymus weights. Severe skin irritation was also observed at the site of application.

#### --- REPRODUCTIVE TOXICOLOGY (SUMMARY) ---

Repeated dermal application to pregnant rats was carried out using aromatic oils similar to some of the components used in this product. Results included maternal toxicity, decreased fetal body, weights and decreased fetal survival in some cases. No fetal malformations were observed.

#### ---CHRONIC TOXICOLOGY (SUMMARY) ---

Expected to be carcinogenic in lifetime mouse skin painting bioassays.

#### ---OTHER TOXICOLOGY DATA---

Skin cleansing studies with aromatic oils show that toxic effects are not likely to occur in humans if good personal hygiene practices are used. Overexposure to diesel exhaust fumes may result in eye irritation, headaches, nausea, and respiratory irritation. Animal studies involving lifetime exposure to high levels of diesel exhaust have produced variable results, with some studies indicating a potential for lung cancer. Limited evidence from epidemiological studies suggest an association between long-term occupational exposure to diesel engine emissions and lung cancer. Diesel engine exhaust typically consists of gases and particulates, including carbon dioxide, carbon monoxide, nitrogen compounds, oxides of sulfur, and hydrocarbons. Diesel exhaust composition will vary with fuel, engine type, load cycle, engine maintenance, tuning and exhaust gas treatment. Use of adequate ventilation and/or respiratory protection in the presence of diesel exhaust is recommended to minimize exposures.

#### 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

ECOTOXICITY: Not established.

MOBILITY: Not established.

PERSISTENCE AND DEGRADABILITY: Not established.

BIOACCUMULATIVE POTENTIAL: Not established.

#### 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning for fuel value in compliance with applicable laws and regulations.

RCRA INFORMATION: Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity, or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

Flammable Liquid OR Combustible Liquid - (49CFR 173.120(b)(2))

FLASH: > 52(125) C(F)

#### 14. TRANSPORT INFORMATION

NOTE: The flash point of this material is > 125F. Regulatory classifications vary as follows:

CIASSILICACIOMS VALY AS TOLLOWS:

OSHA: Combustible Liquid

IATA/IMO: Flammable Liquid

#### USA DOT:

DOT:

SHIPPING NAME: Diesel Fuel

HAZARD CLASS & DIV: COMBUSTIBLE LIQUID

ID NUMBER: NA1993
ERG NUMBER: 128
PACKING GROUP: PG III

STCC: NE
DANGEROUS WHEN WET: NO
POISON: NO
LABEL(s): NA

PLACARD(s): Combustible

PRODUCT RQ: NA MARPOL III STATUS: NA

In accordance with 49 CFR 173.150(f)(2), non-bulk quantities of this material (<119 gallons per container) may be shipped as non regulated for USA domestic shipments.

RID/ADR:

HAZARD CLASS: 3 III PACKING GROUP: LABEL: 3 DANGER NUMBER: 30 UN NUMBER: 1202 SHIPPING NAME: Gas Oil REMARKS: NA

IMO:

HAZARD CLASS & DIV: UN NUMBER: 1202 PG III PACKING GROUP: Gas Oil

SHIPPING NAME:

Flammable Liquid LABEL(s):

MARPOL III STATUS: NA

ICAO/IATA:

3 12 HAZARD CLASS & DIV: ID/UN Number: 1202 PG III PACKING GROUP: Gas Oil SHIPPING NAME:

SUBSIDIARY RISK: , NA

LABEL(s): Flammable Liquid

#### 15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.

EU Labeling: Product is dangerous as defined by the European Union Dangerous Substances/Preparations Directives.

Symbol: Xn Harmful.

Risk Phrase(s): R10-40-65.

Flammable. Limited evidence of a carcinogenic effect. Harmful: may cause lung damage if swallowed.

Safety Phrase(s): S24-2-36/37-62.

Avoid contact with skin. Keep out of the reach of children. Wear suitable protective clothing and gloves. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains: Gas oil - unspecified.

Governmental Inventory Status: All components comply with TSCA, and EINECS/ELINCS.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

# SARA (311/312) REPORTABLE HAZARD CATEGORIES: FIRE CHRONIC ACUTE

This product contains the following SARA (313) Toxic Release Chemicals:

CHEMICAL NAME	CAS NUMBER	CONC.
	***	
POLYNUCLEAR AROMATIC		0.1%
HYDROCARBONS (COMPONENT ANALYSIS)	) ·	

The following product ingredients are cited on the lists below:

CHEMICAL NAME

CAS NUMBER

LIST CITATIONS \*

DIESEL OIL..C9-20

68334-30-5

21, 26

#### --- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1		16=CA P65 CARC	
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

\* EPA recently added new chemical substances to its TSCA Section 4 test rules. Please contact the supplier to confirm whether the ingredients in this product currently appear on a TSCA 4 or TSCA 12b list.

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: DIESEL FUEL

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the

ultimate extent of injury.

Precautionary Label Text:

CONTAINS DIESEL OIL. C9-20

WARNI NG!

COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE NOSE, THROAT AND LUNG IRRITATION, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS. LOW VISCOSITY MATERIAL-IF SWALLOWED, MAY BE ASPIRATED AND CAN CAUSE SERIOUS OR FATAL LUNG DAMAGE.

MAY CAUSE SKIN CANCER ON PROLONGED, REPEATED SKIN CONTACT. ANIMAL SKIN ABSORPTION STUDIES RESULTED IN INCREASED MORTALITY, EFFECTS ON BODY WEIGHT, THE IMMUNE SYSTEM AND THE UNBORN CHILD. PROLONGED, REPEATED SKIN CONTACT MAY CAUSE IRRITATION. DIESEL EXHAUST IS SUSPECT OF CAUSING LUNG CANCER.

Keep away from heat and flame. Avoid prolonged or repeated overexposure by skin contact or inhalation. Use with adequate ventilation. Keep container closed. Keep out of reach of children. Approved portable containers must be properly grounded when transferring fuel.

FIRST AID: If inhaled, remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a bag-valve-mask device or use mouth-to-mouth resuscitation. In case of contact, remove contaminated clothing. Dry wipe the exposed skin and cleanse with waterless hand cleaner and follow by washing thoroughly with soap and water. For those providing assistance, avoid further skin contact to yourself and others. Wear impervious gloves. If swallowed, seek immediate medical attention. Do not induce vomiting. Only induce vomiting at the instruction of a physician.

Empty container may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container. All label warnings and precautions must be observed until container has been thoroughly cleaned or destroyed.

Chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm are created by the combustion of this product. Refer to product Material Safety Data Bulletin for further safety and health information.

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Exxon Mobil Corporation and its affiliated companies assume no responsibility for accuracy of information unless the document is the most current available from an official ExxonMobil distribution system. Exxon Mobil Corporation and its affiliated companies neither represent nor warrant that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

Prepared by: ExxonMobil Oil Corporation
Environmental Health and Safety Department, Clinton, USA



### **MATERIAL SAFTEY DATA SHEET**

### #2 Heating Oil

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

#2 Heating Oil

Synonyms:

High Sulfur No. 2 Heating Oil

High Sulfur No. 2 Heating Oil - Dyed High Sulfur No. 2 Heating Oil Blend Stock

Home Heating Oil

Low Sulfur No. 2 Heating Oil

No. 2 Fuel Oil

Winterized No. 2 Low Sulfur Heating Oil

#2 HO 20D #2 HO 25D #2 HO 30D #2 HO 100D

#2 Marine Gas Oil HS NRLM

Manufacturer Information:

Petroleum Products Corporation

900 S. Eisenhower Blvd Middletown, Pa. 17057

717-939-0466

Intended Use:

Heating Oil

MSDS Information:

1-800-692-6016

msds@ppcterminals.com

**Emergency Phone Numbers:** 

Spill, Leak, Fore or Accident Call PERS North America

1-800-633-8253

#### . HAZARDS IDENTIFICATION

### Emergency Overview

WARNING!

Flammable Liquid and Vapor Skin Irritant Aspiration Hazard Possible Skin Cancer Hazard 0

Appearance: Straw colored. May be dyed yellow or red

Physical Form: Liquid Odor: Diesel fuel

#### **Potential Health Effects**

Eye: Contact may cause mild eye irritation including stinging, watering, and redness.

Skin: Mild to moderate skin irritant. Contact may cause redness, itching, a burning sensation, and skin damage.

Prolonged or

Repeated contact may cause drying and cracking of the skin, dermatitis (inflammation), burns, and severe skin damage. Not acutely toxic by skin absorption, but prolonged or repeated skin contact may be harmful (see Section 11).

Inhalation (Breathing): No information available on acute toxicity.

Ingestion (Swallowing): Low degree of toxicity by ingestion. ASPIRATION HAZARD - This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Signs and Symptoms: Effects of overexposure may include irritation of the respiratory tract, irritation of the digestive tract, nausea, diarrhea and signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).

Other Comments: This material may contain varying concentrations of polycyclic aromatic hydrocarbons (PAHs) which have been known to produce a phototoxic reaction when contaminated skin is exposed to sunlight. The effect is similar in appearance to an exaggerated sunburn, and is temporary in duration if exposure is discontinued. Continued exposure to sunlight can result in more serious skin problems including pigmentation (discoloration), skin eruptions (pimples), and possible skin cancers.

Pre-Existing Medical Conditions: Conditions aggravated by exposure may include skin disorders. See Section 11 for additional Toxicity Information.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS	Concentration (wt %)
Fuel Oil No. 2	68476-30-2	100
Naphthalene	91-20-3	

#### 4. FIRST AID MEASURES

Eye: If irritation or redness develops from exposure, flush eyes with clean water. If symptoms persist, seek medical attention.

**Skin:** Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water or a waterless hand cleaner. If irritation or redness develops, seek medical attention.

**Inhalation (Breathing):** If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

Ingestion (Swallowing): Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

#### 5. FIRE-FIGHTING MEASURES

NFPA 704 Hazard Class

Health: 1 Flammability: 2 Instability: 0 (0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)

**Unusual Fire & Explosion Hazards:** Flammable. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. If container is not properly cooled, it can rupture in the heat of a fire. Vapors are heavier than air and can accumulate in low areas.

**Extinguishing Media:** Dry chemical, carbon dioxide, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see

Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

See Section 9 for Flammable Properties including Flash Point and Flammable (Explosive) Limits

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Flammable. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion proof electrical equipment is recommended. Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental Precautions: Stop spill/release if it can be done with minimal risk. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use foam on spills to minimize vapors (see Section 5). Use water sparingly to minimize environmental contamination and reduce disposal requirements. Spills into or upon navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response Center (phone number 800-424-8802).

**Methods for Containment and Clean-Up:** Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. Dike far ahead of spill for later recovery or disposal. Absorb spill with inert material such as sand or vermiculite, and place in suitable container for disposal.

#### 7. HANDLING AND STORAGE

Precautions for safe handling: Wear protective gloves. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment. Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel to another. Can accumulate static charge by flow or agitation. Can be ignited by static discharge. The use of explosion-proof electrical equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-704 and/or API RP 2003 for specific bonding/grounding requirements. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. "Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1, and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

Conditions for safe storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area "No Smoking or Open Flame." Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

8. EXPOSURE CONTRO	DLS / PERSONAL PROT	ECTION III III III III III III III III III	
and Component	ACGIN IN THE	PER EN PER EN OSHA EN EN EN EN EN	Other:
Fuel Oil No. 2	TWA: 100 mg/m <sup>3</sup> Skin		
Naphthalene	TWA: 10 ppm STEL: 15 ppm	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 0.2 mg/m³ (as total of 17 PNA's measured by NIOSH
			Method 5506) (ConocoPhillips Guidelines)

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

Personal Protective Equipment (PPE):

Eye/Face: The use of eye protection that meets or exceeds ANSI Z.87.1 is recommended to protect against potential eye contact, irritation, or injury. Depending on conditions of use, a face shield may be necessary.

Skin: The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the performance of their products. Suggested protective materials: Nitrile Respiratory: Where there is potential for airborne exposure above the exposure limit a NIOSH certified air purifying respirator equipped with organic vapor cartridges/canisters may be used.

A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (MUC) as directed by regulation or the manufacturer's instructions, in oxygen deficient (less than 19.5 percent oxygen) situations, or other conditions that are immediately dangerous to life and health (IDLH).

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse.

Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Appearance: Straw colored. May be dyed yellow or red

Physical Form: Liquid Odor: Diesel fuel Odor Threshold: No data pH: Not applicable

Vapor Pressure: 0.40 mm Hg Vapor Density (air=1): >1

Boiling Point/Range: 300-691°F / 149+366°C

Melting/Freezing Point: No data Solubility in Water: Negligible

Partition Coefficient (n-octanol/water) (Kow): No data

Specific Gravity: 0.81-0.88 @ 60°F (15.6°C)

Bulk Density: 7.08 lbs/gal Viscosity: 1.7-4.1 cSt @ 40°C Evaporation Rate (nBuAc=1): <1 Flash Point: 125-180°F / 52-82°C

Test Method: Tag Closed Cup (TCC), ASTM D56

LEL (vol % in air): 0.3 UEL (voi % in air): 10.0

Autoignition Temperature: 500°F / 260°C

#### 10. STABILITY AND REACTIVITY

Stability: Stable under normal ambient and anticipated conditions of storage and handling. Flammable liquid and vapor. Vapor can cause flash fire.

Conditions to Avoid: Avoid high temperatures and all sources of ignition. Prevent vapor accumulation. Materials to Avoid (Incompatible Materials): Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc.

Hazardous Decomposition Products: Combustion can yield oxides of carbon, nitrogen and sulfur.

Hazardous Polymerization: Not known to occur.

#### 11. TOXICOLOGICAL INFORMATION

#### Chronic Data:

#### Fuel Oil No. 2

Carcinogenicity: Application of fuel oil No. 2 to mouse skin, three times a week (duration unspecified), resulted in an increased incidence of skin tumors. Fuel oil No. 2 has not been identified as a carcinogen by NTP, IARC, or OSHA.

#### Naphthalene

Carcinogenicity: Naphthalene has been evaluated in two year inhalation studies in both rats and mice. The National Toxicology Program (NTP) concluded that there is clear evidence of carcinogenicity in male and female rats based on increased incidences of respiratory epithelial adenomas and olfactory epithelial neuroblastomas of the nose. NTP found some evidence of carcinogenicity in female mice (alveolar adenomas) and no evidence of carcinogenicity in male mice. Naphthalene has been identified as a carcinogen by IARC and NTP.

#### Acute Data:

Component	Oral LD50	Dermal LD50	Inhalation LC50
Fuel Oil No. 2	14.5 ml/kg (rat)	No data	No data

#### 12. ECOLOGICAL INFORMATION

When middle distillate hydrocarbons escape into the environment due to leaks or spills, most of their constituent hydrocarbons will evaporate and be photodegraded by reaction with hydroxyl radicals in the atmosphere. The half-lives in air for many of the individual hydrocarbons is less than one day. Less volatile hydrocarbons can persist in the aqueous environment for longer periods. They remain floating on the surface of the water; those that reach soil or sediment biodegrade relatively slowly. Soil contaminated with middle distillates can develop adapted microbial species able to use the fuel as a carbon source; soil aeration and nutrient supplementation can enhance this biodegradation. Reported LC50/EC50 values for water-soluble fractions of middle distillates are usually in the range of 10 to 100 mg/liter. Adverse effects on the gills, pseudobranch, kidney and nasal mucosa have been reported in fish involved in spills of middle distillates. Juvenile clams may be particularly sensitive to marine sediments contaminated as a result of spilled material. Direct toxicity and fouling of sea birds can occur if birds dive through floating layers of spilled material. Phytotoxic effects of middle distillate hydrocarbons have been reported following exposure of plants to sprays or vapors. Lack of seed germination and inhibition of seedling growth

#### 13. DISPOSAL CONSIDERATIONS

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations. This material, if discarded as produced, would not be a federally regulated RCRA "listed" hazardous waste. However, it would likely be identified as a federally regulated RCRA hazardous waste for the following characteristic(s) shown below. See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the MSDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste. Container contents should be completely used and containers should be emptied prior to discard. Container residues and rinseates could be considered to be hazardous wastes. **EPA Waste Number(s)** 

• D001 - Ignitability characteristic

#### 14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)

Shipping Description:

Heating oil, light, Combustible liquid, UN1202, III

Non-Bulk Package Marking: Non-Bulk Package Labeling: Not Regulated [49 CFR 173.150(f)(2)] Not Regulated [49 CFR 173.150(f)(2)]

Bulk Package/Placard Marking:

Combustible / 1202

Packaging - References: None; None; 49 CFR 173.241

(Exceptions; Non-bulk; Bulk)

Hazardous Substance: See Section 15 for RQ's

Emergency Response Guide: 128

Note: This product has been reclassified as a Combustible Liquid for domestic land transportation

using 49 CFR 173.150(f).

Shipping description may be modified by placing the UN or NA number as the first

element. This order becomes mandatory on January 1, 2013.

International Maritime Dangerous Goods (IMDG)

Shipping Description: UN1202, Heating oil, light, 3, III, (52 Non-Bulk Package Marking: Heating oil, light, UN1202

Labels: Flammable liquid

Placards/Marking (Bulk): Flammable / 1202

Packaging - Non-Bulk: P001, LP01

EMS: F-E, S-E

Note: Proper Shipping name can be: Gas Oil or Diesel fuel or Heating Oil, light International Civil Aviation Org. / International Air Transport Assoc. (ICAO/IATA)

UN/ID #: UN1202

Proper Shipping Name: Heating oil, light

Hazard Class/Division: 3 Packing Group: |||

Non-Bulk Package Marking: Heating oil, light, UN1202

Labels: Flammable liquid

ERG Code: 3L

	LTD. QTY	Passenger Aircraft	Cargo Aircraft Only
Packaging Instruction #:	Y309	309	310
Max. Net Qty. Per Package:	10 L	60 L	220 L

#### 15. REGULATORY INFORMATION

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

CERCLA/SARA - Section 311/312 (Title III Hazard Categories)

Acute Health: Yes Chronic Health: Yes Fire Hazard: Yes Pressure Hazard: No Reactive Hazard: No

CERCLA/SARA - Section 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372:

Component	Concentration (wt %) de minimis
Naphthalerie Naphthalerie	<1 0.1%

EPA (CERCLA) Reportable Quantity (in pounds):

EPA's Petroleum Exclusion applies to this material - (CERCLA 101(14)).

California Proposition 65:

Warning: This material may contain detectable quantities of the following chemicals, known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Component	Type of Toxicity
Naphthalene	Cancer
. i oluene	Developmental Toxicant
Benzene	
	I Developmental Toxicant
	Skin Cancer

#### Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Regulations.

WHMIS Hazard Class

B3 - Combustible Liquids

D2A

D2B

#### National Chemical Inventories:

All components are either listed on the US TSCA Inventory, or are not regulated under TSCA. All components are either on the DSL, or are exempt from DSL listing requirements.

#### 16. OTHER INFORMATION

Issue Date: 11-Jul-2007

Status:

Previous Issue Date: 11-Jul-2007

Revised Sections or Basis for Revision: Exposure limits (Section 8)

MSDS Code: 724240 MSDS Legend:

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service Registry; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund
Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV; = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)



# EC-1 gj2 Material Safety Data Sheet

### 1 Company Identification

Innospec Fuel Specialties 8375 S. Willow Street Littleton, CO 80124 Product information 1-800-441-9547 In Case of Emergency Call Chemtrec 1-800-424-9300

### 2 Composition / Ingredient Information

<u>Material</u>	CAS Number	<u>%</u>
Proprietary Polymer	***************************************	10- <del>20</del>
*Vinyl Acetate Monomer	108-05-4	<0.2
Alkyl Alcohol		
Light Aromatic Naphtha	64742-95-6	5-15
*(1,2,4-Trimethylbenzene)		
Heavy Aromatic Naphtha	64742-94-5	<2
*(Naphthalene)	91-20-3	(<0.2)
Ethylene Glycol N-Butyl Ether	111-76-2	<5
*Xylene		
*(Ethylbenzene)		

<sup>\*</sup>Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

### 3 Hazardous Identification

#### **Potential Health Effects**

Skin contact may cause skin irritation with discomfort or rash. Inhalation of fumes or vapors from heated product may cause skin, eye and respiratory tract irritation. In general, overexposure to high atmospheric concentrations of alkyl-substituted aromatics may produce central nervous system depression, headache, dizziness, incoordination, nausea and loss of appetite. Aspiration (liquid enters the lung), may cause lung damage due to chemical pneumonia, a condition caused by petroleum-like solvents.

Minute amounts of petroleum hydrocarbons aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possible death.

Individuals with preexisting diseases of the kidneys or liver may have increased susceptibility to the toxicity of excessive exposures.

Xylene can penetrate the skin in amounts capable of causing systemic toxicity. Eye contact may cause eye irritation with discomfort, tearing or blurring of vision. Inhalation of Ethylbenzene may cause irritation of the upper respiratory passages with coughing and discomfort.

Inhalation or ingestion of Xylene or Ethylbenzene may cause nonspecific discomfort, such as nausea, headache, or weakness; or temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness.

Inhalation or ingestion of Ethylbenzene may cause abnormal liver or kidney function. Aspiration of Ethylbenzene into the lungs during ingestion or vomiting may lead to chemical pneumonitis.

Ingestion of Xylene or Ethylbenzene may cause gastrointestinal tract irritation. Higher exposure to Xylene may lead to cardiac stress; anemia and other blood changes; respiratory effects; possible liver and kidney damage; or fatality from gross overexposure.

Prolonged or repeated exposure to Ethylene Glycol N-Butyl Ether may cause skin irritation which may be slow to heal. A single prolonged exposure may result in the material being absorbed in harmful amounts. Excessive exposure may cause hemolysis, thereby impairing the blood's ability to transport oxygen. Repeated minor exposure may result in absorption of harmful amounts. May cause moderate eye irritation which may be slow to heal. May cause moderate corneal injury. Effects may be slow to heal. Vapors of Ethylene Glycol N-Butyl Ether may irritate eyes. A single prolonged excessive inhalation exposure may cause adverse effects. Excessive exposure may cause irritation to upper respiratory tract. Observations in animals include blood and kidney effects. Single dose oral toxicity of Ethylene Glycol N-Butyl Ether is considered to be moderate. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. One case of Massive Ingestion (i.e. attempted suicide) reported blood (hemolysis) and kidney effects.

Inhalation or ingestion of Heavy Aromatic Naphtha may cause central nervous system depression with anesthetic effects, such as dizziness, headache, confusion, incoordination and loss of consciousness. Higher exposures may result in fatality from gross overexposure. Ingestion may cause gastrointestinal irritation. Aspiration hazard! Small amounts aspirated into the lungs during ingestion or vomiting may cause lung injury, possibly leading to death. Symptoms of aspiration into the lungs include coughing, gasping, choking, shortness of breath, bluish discolored skin, rapid breathing and heart rate. Chemical pneumonitis from aspiration may result in fever. Pulmonary edema or bleeding, drowsiness, confusion, coma and seizures may occur in more serious cases. Symptoms may develop immediately or as late as 24 hours after the exposure, depending on how much chemical entered the lungs.

Skin contact with Light Aromatic Naphtha may cause skin irritation with discomfort or rash. Evidence suggests that skin permeation can occur in amounts capable of producing photosensitization. Eye contact may cause irritation with discomfort, tearing, or blurring of vision. Inhalation may cause irritation of upper respiratory passages with coughing and discomfort. Ingestion may cause nonspecific discomfort, such as nausea, headache, weakness or temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness.

#### **Carcinogenicity Information**

Ethylbenzene, Naphthalene and Vinyl Acetate Monomer have been classified by the Internal Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). This IARC classification was based upon limited evidence of carcinogenicity to animals and inadequate evidence of carcinogenicity to humans.

### 4 First Aid Measures

#### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

#### Skin Contact

Flush skin with water after contact. Wash contaminated clothing before reuse.

#### Eye Contact

In case of contact immediately, flush eyes with plenty of water for at least 15 minutes. Call a physician.

#### Ingestion

If swallowed, do not induce vomiting. Allow victim to rinse his mouth and then to drink 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Call a physician.

#### **Notes to Physicians**

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400-ml water and mix thoroughly. Administer 5 ml/kg or 350 ml for an average adult.

Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia.

### 5 Fire Fighting Measures

#### Flammable Properties

#### **Extinguishing Media**

Water Spray, Foam, Dry Chemical, CO<sub>2</sub>.

#### Fire Fighting Instructions

Wear self-contained breathing apparatus. Wear full protective equipment.

### 6 Accidental Release Measures

Note: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) SECTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Soak up with sawdust, sand, oil dry or other absorbent material. Remove source of heat, sparks, flame, impact, friction, or electricity. Dike spill. Prevent material from entering sewers, waterways, or low areas.

#### Spill Clean-Up

Soak up with sawdust, sand, oil dry or other absorbent material.

#### Accidental Release Measures

Spills are very slippery and should be cleaned up promptly. Unless released material is cleaned up immediately for reprocessing, recycling, or reuse, a release of 100 lbs. may trigger the reporting requirements of CERCLA Section 103.

### 7 Handling and Storage

#### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

#### Handling (Physical Aspects)

Keep away from heat, sparks and flames.

#### **Storage**

Store in a well-ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations.

### 8 Exposure Controls

#### **Engineering Controls**

Use only with adequate ventilation. Keep container tightly closed.

#### **Personal Protective Equipment**

#### **Eye/Face Protection**

Wear coverall chemical splash goggles or safety glasses.

#### Respirators

Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### **Protective Clothing**

Where there is potential for skin contact have available and wear as appropriate Impervious gloves, apron, pants, hood and jacket.

#### **Exposure Limits**

#### **Light Aromatic Naphtha:**

PEL(OSHA)	None established
TLV (ACGIH)	None established
AEL* (Innospec Fuel Specialties)	

#### 1,2,4-Trimethylbenzene:

	25 ppm, 125 mg/m <sup>3</sup> , 8 hr TWA
TLV (ACGIH)	25 ppm, 123 mg/m <sup>3</sup> , 8 hr TWA
AEL* (Innospec Fuel Specialties	s)None established

#### Xylene:

PEL(OSHA)	100 ppm, 435 mg/m <sup>3</sup> , 8 hr TWA
TLV (ACGIH)	100 ppm, 434 mg/m³, 8 hr TWA
. ,	STEL 150 ppm, 651 mg/m <sup>3</sup> , A4; BEI
AEL* (Innospec Fuel Specialties)	100 ppm, 8 & 12 hr, TWA, skin
·	150 ppm, 15 minute TWA

Ethylbenzene:

AEL\* (Innospec Fuel Specialties) ......None established

**Vinyl Acetate Monomer:** 

**Heavy Aromatic Naphtha:** 

Naphthalene:

AEL\* (Innospec Fuel Specialties) ......None established

Alkyl Alcohol:

Ethylene Glycol N-Butyl Ether:

The "skin" notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposure should be considered.

### 9 Physical and Chemical Properties

#### **Physical Data**

Appearance	. Amber
Form	. Liquid
Odor	•
Specific Gravity	. 0.883 @ 60/60°F (15.6/15.6°C)
Density	
Solubility in water	

<sup>\*</sup> AEL is Innospec Fuel Specialties' acceptable exposure limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

# 10 Stability and Reactivity

### **Chemical Stability**

Stable at normal temperatures and storage conditions.

### Incompatibility

Incompatible with strong oxidizers, acids and fluorine.

### Decomposition

Decomposes with heat. Decomposition products include oxides of carbon.

### Polymerization

Will not occur.

## 11 <u>Toxicological Information</u>

#### **Animal Data**

Inhalation 6 hour LC50Oral LD50	
1,2,4-Trimethylbenzene: Inhalation (Vapor) 4 hour LC50 Oral LD50 (Acute)	. 18,000 mg/m³ in rats . 5,000 mg/kg in rats
Heavy Aromatic Naphtha: Inhalation 6 hour LC50. Skin Absorption LD50.	. >3,160 mg/kg in rabbits
Naphthalene: Inhalation 15 minute L'C50: Skin Absorption LD50: Oral LD50:	. 10,000 mg/kg in rabbits
Xylene (mixed isomers): Inhalation 4 hour LC50 Skin absorption LD50 Oral ALD	. 4,320 mg/kg in rabbits
 Ethylbenzene: Inhalation 4 hour LC50	~15,000 mg/kg in mice
Vinyl Acetate Monomer: Inhalation 4 hour LC50	2,335 mg/kg in rabbits

#### Alkyl Alcohol:

Inhalation 6 hour LC50	>2,000 ppm in rats
Skin absorption LD50	
Oral LD50	

#### **Ethylene Glycol N-Butyl Ether:**

Inhalation LC50	. 700 ppm in rats, 7 hours
Skin Absorption LD50	
Oral LD50	

Dermal absorption of Xylene in animals causes narcosis. Toxic effects described in animals by inhalation include upper respiratory irritation; central nervous system effects; behavioral effects; decreased weight gain; hearing loss; and effects on the blood, liver, kidneys, heart, spleen, lungs and bone marrow. By ingestion, xylene caused central nervous system effects; decreased body weight and liver effects. Tests of xylene in animals demonstrate no carcinogenic activity. Xylene does not produce heritable genetic damage in animals or genetic damage in bacterial or mammalian cell cultures. Although abnormal sperm were observed after an interperitoneal injection in rats, xylene did not produce reproductive effects. Developmental toxicity was observed in animals exposed to xylene but only at concentrations that were maternally toxic.

Light Aromatic Naphtha is a moderate skin irritant, a slight eye irritant and a skin photosensitizer in animals. Toxic effects of a single inhalation exposure to very high concentrations include hyperactivity, salivation, incoordination, tremors, irregular respiration and nonspecific effects such as weight loss and irritation. Long-term inhalation exposure produced no significant effects from exposure up to concentrations of 400 ppm for one year. No animal test reports are available to define carcinogenic, mutagenic, developmental or reproductive hazards.

Vinyl Acetate is a slight skin and a severe eye irritant, but is untested for animal sensitization. No effects from repeated exposure to Vinyl Acetate by inhalation were observed at 100 ppm in rats. Exposure to higher concentrations of Vinyl Acetate by inhalation caused eye irritation and lacrimation, reduced weight gain, and irritation of the respiratory tract with breathing difficulty. The effects observed in rats and mice exposed by inhalation to 200 and 600 ppm for two years include reduced body weight. Repeated exposures by administration of Vinyl Acetate in the drinking water caused decreased weight gain, and low liver weights. Reduced body weight occurred in rats administered 5000 ppm in their drinking water for two years. Vinyl acetate is weakly carcinogenic in rats, but not in mice. The compound does not have an adverse effect on the development of rats and its effect on reproduction is not considered significant. The genotoxicity of vinyl acetate is equivocal. Genetic damage was produced in some types of cell cultures and in animals, but was negative in other studies. No tests for heritable genetic damage were available.

Heavy Aromatic Naphtha is a severe skin irritant, and is an eye irritant, but is not a skin sensitizer in animals. Repeated inhalation exposures caused reduced growth rate, respiratory tract irritation, congestion in liver and spleen, changes in blood tests and equilibrium disturbances. No animal test reports are available to define carcinogenic, mutagenic, developmental or reproductive hazards.

Chronic overexposure to Alkyl Alcohol has been suggested as a cause of the following effects in laboratory animals and may aggravate pre-existing disorders of these organs in humans: liver, abnormalities, kidney damage, lung damage, cardiac abnormality, blood abnormalities and spleen damage. This component has produced liver and kidney effects in laboratory animals. It has also produced developmental effects in oral studies in laboratory animals including teratogenicity at maternally toxic doses.

### 12 **Ecological Information**

#### Xylene:

96 hour LC50 fathead minnow: 27-42 mg/L

#### **Heavy Aromatic Naphtha:**

96 hour LC50, fathead minnows: 4.2 - 20.8 mg/L

#### Light Aromatic Naphtha:

The LC50 in white crappie is approximately 4.2 mg/L.

# 13 <u>Disposal Considerations</u>

#### Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. May be a RCRA hazardous waste due to the ignitability characteristics.

### 14 **Shipping Information**

#### DOT

Proper Shipping Name	Xylene Solution
Hazard Class	
I.D. No. (UN/NA)	UN 1307
Packing Group	
Special Information	
Marine Pollutant	No
DOT Label(s)	Flammable Liquid

#### IMO

Xylene Solution
.3
1307
Ш
Flash Point: 31.1°C
No
Flammable Liquid

#### Reportable Quantity

Xylene	100 lbs.
Naphthalene	
Ethylbenzene	1000 lbs.
Vinvl Acetate	5000 lbs.

#### **Shipping Containers**

Steel Drums UN1A1/Y/100

### 15 <u>US Federal Regulations</u>

TSCA Inventory Status...... Reported / Included

### Title III Hazard Classifications Sections 311, 312

Acute	Yes
Chronic	
Fire	
Reactivity	
Pressure	

### 16 Other Information

#### **NPCA-HMIS Rating**

Personal Protection rating to be supplied by user depending on use conditions.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS:

Ann Marie Savini

Innospec Fuel Specialties

Newark, DE 19702 (800) 441-9547 or (302) 451-1362



September 22, 2008

FEDERAL EXPRESS #
(304)558-8802
Ms. Jo Ann Adkins
State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street, East
PO BOX 50130
Charleston, WV 25305-0130

Subject: SEALED BID

BUYER: Jo Ann Adkins
REQ. NO.: FUEL HD09
Bid Opening: 9/23/08 1:30 PM

Dear Ms. Adkins:

We return herewith executed your subject Request for Quotation covering Fuel requirements for 2009.

Also, we hereby certify Tri-State Petroleum Corporation meets all the requirements to qualify for "2.5% preference" as a continuous business resident of West Virginia in good standing. And an additional "2.5% preference" for having at least 75% of the employees working on the project maintaining a West Virginia residency.

Therefore, please provide Tri-State Petroleum the 5% bid preference consideration for this quotation.

Tri-State's quotation includes two options. The first option as requested by the RFQ includes acceptance of the WV Visa Purchasing Card, alternatively we submit for consideration WV Treasury ACH payment option at considerably less expense.

In accordance with Exhibit four (4), Tri-State Petroleum **extends** our prices, terms, and conditions of the bid to county, school, municipal and other local government bodies. The bid shall extend to political subdivisions of the state of West Virginia.

We thank you for the opportunity to quote the states fuel requirements.

Please call if you have any questions regarding our proposal.

Respectfully Submitted

Kevin Olson Customer Service 1-800-541-3835 ext 13

KOLSON@TSPNET.COM

DOH Bid



#### Vendor Eligibility

Tri-State Petroleum Corporation is a West Virginia Corporation that has been an established distributor of Gasoline and Diesel fuel in West Virginia, Ohio and Pennsylvania for thirty-five years.

We operate the following equipment:

- 1. Three tractor trailers each with 8500 gallon capacity trailers.
- 2. Three tank wagons with 2800 gallon capacity each.
- 3. Bulk plant in Warwood WV.
- 4. Bulk Plant in New Martinsville WV.
- 5. We utilize different common carriers able to deliver transport quantities.
- 6. We pull product from terminals at the following geographic locations Pittsburgh PA., Marietta OH., Charleston WV., Congo WV., Steubenville OH.