



DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF AIR QUALITY
 601 57th Street, SE
 Charleston, WV 25304
 Phone: (304) 926-0475 • www.dep.wv.gov/daq

APPLICATION FOR GENERAL PERMIT REGISTRATION
 CONSTRUCT, MODIFY, RELOCATE OR ADMINISTRATIVELY UPDATE
 A STATIONARY SOURCE OF AIR POLLUTANTS

- CONSTRUCTION MODIFICATION RELOCATION CLASS I ADMINISTRATIVE UPDATE
 CLASS II ADMINISTRATIVE UPDATE

CHECK WHICH TYPE OF GENERAL PERMIT REGISTRATION YOU ARE APPLYING FOR:

- | | |
|---|--|
| <input type="checkbox"/> G10-D – Coal Preparation and Handling | <input type="checkbox"/> G40-C – Nonmetallic Minerals Processing |
| <input type="checkbox"/> G20-B – Hot Mix Asphalt | <input type="checkbox"/> G50-B – Concrete Batch |
| <input type="checkbox"/> G30-D – Natural Gas Compressor Stations | <input type="checkbox"/> G60-C – Class II Emergency Generator |
| <input type="checkbox"/> G33-A – Spark Ignition Internal Combustion Engines | <input checked="" type="checkbox"/> G65-C – Class I Emergency Generator |
| <input type="checkbox"/> G35-A – Natural Gas Compressor Stations (Flare/Glycol Dehydration Unit) | <input type="checkbox"/> G70-A – Class II Oil and Natural Gas Production Facility |

SECTION I. GENERAL INFORMATION

1. Name of applicant (as registered with the WV Secretary of State's Office): Little General Stores, Inc.
 2. Federal Employer ID No. (FEIN): 55-0548701

3. Applicant's mailing address: PO Box 968, Beckley, WV 25802
 4. Applicant's physical address: 17 Yellow Wood Way, Beckley, WV 25801

5. If applicant is a subsidiary corporation, please provide the name of parent corporation: N/A

6. **WV BUSINESS REGISTRATION.** Is the applicant a resident of the State of West Virginia? YES NO
 – IF YES, provide a copy of the Certificate of Incorporation/ Organization / Limited Partnership (one page) including any name change amendments or other Business Registration Certificate as Attachment A.
 – IF NO, provide a copy of the Certificate of Authority / Authority of LLC / Registration (one page) including any name change amendments or other Business Certificate as Attachment A.

SECTION II. FACILITY INFORMATION

7. Type of plant or facility (stationary source) to be constructed, modified, relocated or administratively updated (e.g., coal preparation plant, primary crusher, etc.): Emergency generator (after the fact permit)
 8a. Standard Industrial Classification AND 8b. North American Industry Classification
 Classification (SIC) code: 5541 System (NAICS) code: 447110

9. DAQ Plant ID No. (for existing facilities only):

 10. List all current 45CSR13 and other General Permit numbers associated with this process (for existing facilities only):
None

A: PRIMARY OPERATING SITE INFORMATION

| | | |
|---|---|---|
| 11A. Facility name of primary operating site: <u>Little General Facility #2495</u> | 12A. Address of primary operating site: Mailing: <u>125 Odd Rd, Ghent, WV 25843</u> Physical: <u>Same</u> | |
| 13A. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO - IF YES, please explain: <u>Applicant owns the site property.</u> - IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE. | | |
| 14A. - For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; - For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F. <u>From MacCorkle Avenue SE turn right onto I-64/I-77 ramp toward Beckley and continue for approximately 53.5 miles. Keep right at the fork and continue on I-77 S for an additional 12 miles. Take exit 28 toward WV-48/Ghent/Flat Top. Turn left onto Odd Road. 125 Odd Road is located 0.3 mile on the right.</u> | | |
| 15A. Nearest city or town: Ghent | 16A. County: Raleigh | 17A. UTM Coordinates: Northing (KM): <u>4,163.23</u> Easting (KM): <u>489.79</u> Zone: <u>17S</u> |
| 18A. Briefly describe the proposed new operation or change (s) to the facility: After the fact operation for an emergency generator. | | 19A. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: <u>37.61611°</u> Longitude: <u>-81.11572°</u> |

B: 1ST ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits)

| | |
|---|--|
| 11B. Name of 1 st alternate operating site: _____ _____ | 12B. Address of 1 st alternate operating site: Mailing: _____ Physical: _____ |
| 13B. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO - IF YES, please explain: <u>The applicant owns the property</u> - IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE. | |
| 14B. - For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; - For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F. _____ _____ | |

| | | |
|---|--------------|--|
| 15B. Nearest city or town: | 16B. County: | 17B. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____ |
| 18B. Briefly describe the proposed new operation or change (s) to the facility: | | 19B. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____ |

C: 2ND ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits):

| | | |
|---|---|--|
| 11C. Name of 2 nd alternate operating site: _____ | 12C. Address of 2 nd alternate operating site: Mailing: _____ Physical: _____ | |
| 13C. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input type="checkbox"/> YES <input type="checkbox"/> NO - IF YES, please explain: _____ - IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE. | | |
| 14C. - For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; - For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F . _____ _____ | | |
| 15C. Nearest city or town: | 16C. County: | 17C. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____ |
| 18C. Briefly describe the proposed new operation or change (s) to the facility: | | 19C. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____ |
| 20. Provide the date of anticipated installation or change: ____/____/____ <input type="checkbox"/> If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: : <u>6/01/2013</u> (est.) | 21. Date of anticipated Start-up if registration is granted: ____/____/____ | |
| 22. Provide maximum projected Operating Schedule of activity/activities outlined in this application if other than 8760 hours/year. (Note: anything other than 24/7/52 may result in a restriction to the facility's operation). Hours per day _____ Days per week _____ Weeks per year _____ Percentage of operation _____ Hours per year <u>500</u> | | |

SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS

23. Include a check payable to WVDEP – Division of Air Quality with the appropriate **application fee** (per 45CSR22 and 45CSR13).

24. Include a **Table of Contents** as the first page of your application package.

All of the required forms and additional information can be found under the Permitting Section (General Permits) of DAQ's website, or requested by phone.

25. Please check all attachments included with this permit application. Please refer to the appropriate reference document for an explanation of the attachments listed below.

- ATTACHMENT A : CURRENT BUSINESS CERTIFICATE
- ATTACHMENT B: PROCESS DESCRIPTION
- ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS
- ATTACHMENT D: PROCESS FLOW DIAGRAM
- ATTACHMENT E: PLOT PLAN
- ATTACHMENT F: AREA MAP
- ATTACHMENT G: EQUIPMENT DATA SHEETS AND REGISTRATION SECTION APPLICABILITY FORM
- ATTACHMENT H: AIR POLLUTION CONTROL DEVICE SHEETS
- ATTACHMENT I: EMISSIONS CALCULATIONS
- ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT
- ATTACHMENT K: ELECTRONIC SUBMITTAL
- ATTACHMENT L: GENERAL PERMIT REGISTRATION APPLICATION FEE
- ATTACHMENT M: SITING CRITERIA WAIVER

- ATTACHMENT N: MATERIAL SAFETY DATA SHEETS (MSDS)
- ATTACHMENT O: EMISSIONS SUMMARY SHEETS
- OTHER SUPPORTING DOCUMENTATION NOT DESCRIBED ABOVE (Equipment Drawings, Aggregation Discussion, etc.)

Please mail an original and two copies of the complete General Permit Registration Application with the signature(s) to the DAQ Permitting Section, at the address shown on the front page of this application. Please DO NOT fax permit applications. For questions regarding applications or West Virginia Air Pollution Rules and Regulations, please refer to the website shown on the front page of the application or call the phone number also provided on the front page of the application.

SECTION IV. CERTIFICATION OF INFORMATION

This General Permit Registration Application shall be signed below by a Responsible Official. A Responsible Official is a President, Vice President, Secretary, Treasurer, General Partner, General Manager, a member of a Board of Directors, or Owner, depending on business structure. A business may certify an Authorized Representative who shall have authority to bind the Corporation, Partnership, Limited Liability Company, Association, Joint Venture or Sole Proprietorship. Required records of daily throughput, hours of operation and maintenance, general correspondence, Emission Inventory, Certified Emission Statement, compliance certifications and all required notifications must be signed by a Responsible Official or an Authorized Representative. If a business wishes to certify an Authorized Representative, the official agreement below shall be checked off and the appropriate names and signatures entered. Any administratively incomplete or improperly signed or unsigned Registration Application will be returned to the applicant.

FOR A CORPORATION (domestic or foreign)

I certify that I am a President, Vice President, Secretary, Treasurer or in charge of a principal business function of the corporation

FOR A PARTNERSHIP

I certify that I am a General Partner

FOR A LIMITED LIABILITY COMPANY

I certify that I am a General Partner or General Manager

FOR AN ASSOCIATION

I certify that I am the President or a member of the Board of Directors

FOR A JOINT VENTURE

I certify that I am the President, General Partner or General Manager

FOR A SOLE PROPRIETORSHIP

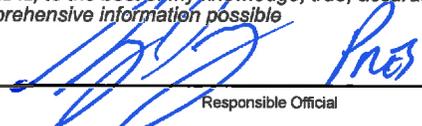
I certify that I am the Owner and Proprietor

I hereby certify that (please print or type) Greg Darby is an Authorized Representative and in that capacity shall represent the interest of the business (e.g., Corporation, Partnership, Limited Liability Company, Association Joint Venture or Sole Proprietorship) and may obligate and legally bind the business. If the business changes its Authorized Representative, a Responsible Official shall notify the Director of the Office of Air Quality immediately, and/or,

I hereby certify that all information contained in this General Permit Registration Application and any supporting documents appended hereto is, to the best of my knowledge, true, accurate and complete, and that all reasonable efforts have been made to provide the most comprehensive information possible

Signature

(please use blue ink)



Responsible Official

8/30/12

Date

Name & Title Greg Darby, President/co-owner Little General Stores, Inc.

(please print or type)

Signature

(please use blue ink)

Authorized Representative (if applicable)

Date

Applicant's Name Little General Stores, Inc.

Phone & Fax

(304) 253-9592

Phone

(304) 253-7338

Fax

Email gdarby@lgstores.com

**ATTACHMENT A
CURRENT BUSINESS CERTIFICATE**

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**LITTLE GENERAL STORE INC
17 YELLOW WOOD WAY
BECKLEY, WV 25801-7126**

BUSINESS REGISTRATION ACCOUNT NUMBER: 1036-1993

This certificate is issued on: 06/14/2010

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with W. Va. Code § 11-12.*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued.

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

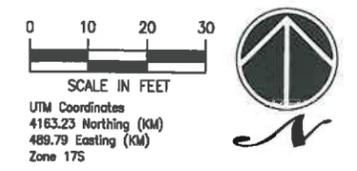
Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

**ATTACHMENT B
PROCESS DESCRIPTION**

The emergency generator is powered by a 305 bhp Caterpillar engine. The emissions from the engine are released to the atmosphere through the exhaust stack located above the engine. The location of the emission source is provided on **Attachment E – Plot Plan**.

**ATTACHMENT E
PLOT PLAN**



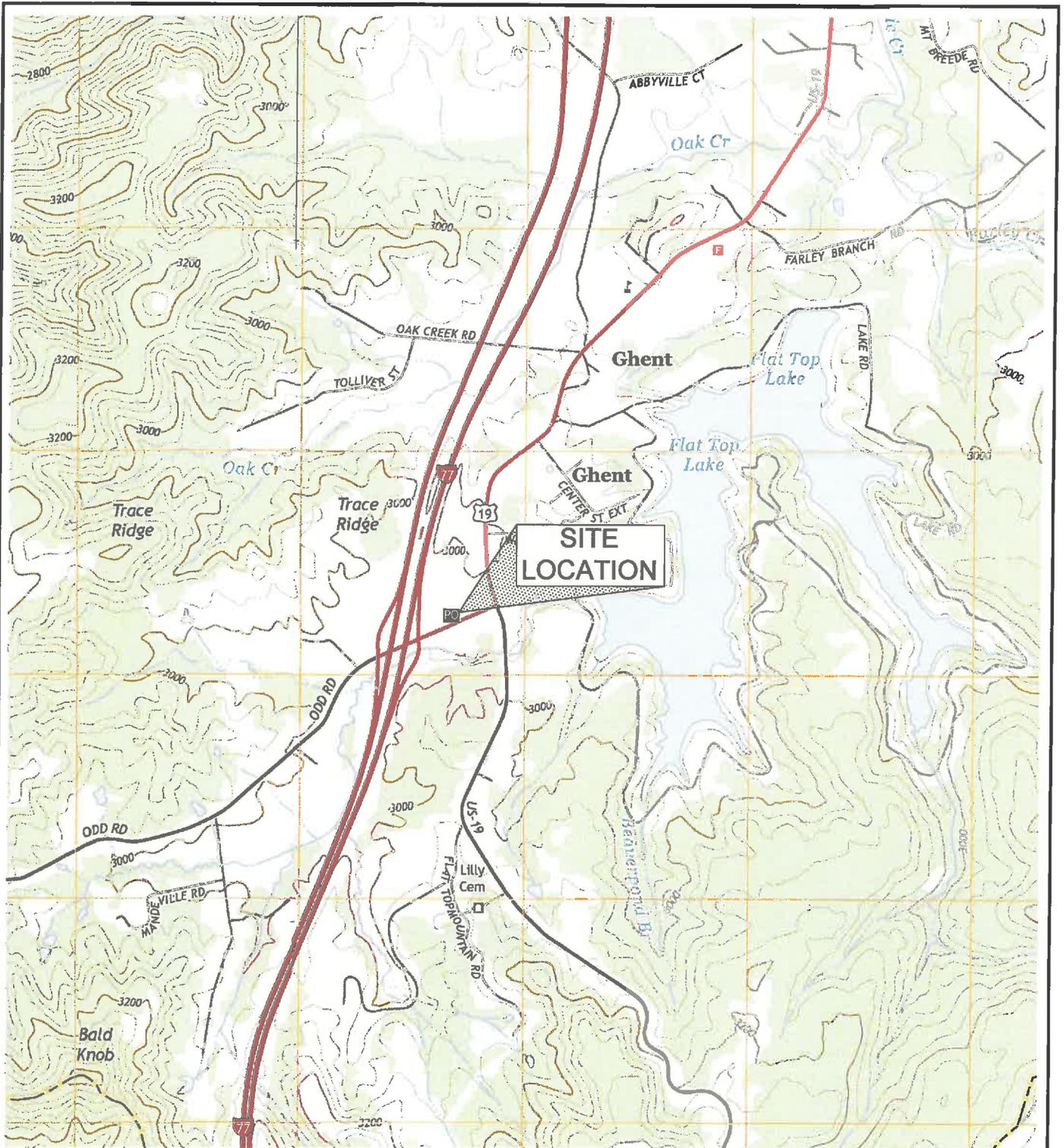
LEGEND:

| | |
|------|---------------------------|
| --- | APPROXIMATE PROPERTY LINE |
| EG-1 | EMERGENCY GENERATOR |
| TO1 | DIESEL ABOVE GROUND TANK |
| ☒ | GENERATOR EXHAUST |

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| | | | |
|---|--------------------|--|--|
| KEMRON ENVIRONMENTAL SERVICES | | KEMRON Environmental Services 108 Craddock Way, Suite 5 Poca, WV 25159-7606 | |
| DATE: 8/22/16 | PROJECT NO.: .. | SITE MAP LITTLE GENERAL STORE #2495 COMPANY ID # 1036-1993 FACILITY ID #4-108381 125 ODD ROAD GHENT, RALEIGH COUNTY, WEST VIRGINIA | |
| DESIGNED: SBM | SCALE: 1" = 30' | | |
| CHECKED: CJ | FIGURE NO.: 2 | | |
| | | | |

**ATTACHMENT F
AREA MAP**

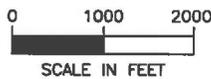


USGS 7.5-Minute Topographic Map; Flat Top, WV Quadrangle 2014; Scale: 1:24,000

8/5/16
...LC2495-SLM.dwg



WEST VIRGINIA
 Latitude: 37.61611°
 Longitude: -81.11572°
 UTM Coordinates
 4163.23 Northing (M)
 489.79 Easting (M)
 Zone 17S



KEMRON Environmental Services
 108 Craddock Way, Suite 5
 Poca, WV 25159-7606

| | |
|------------------|----------------------|
| DATE: 8/22/16 | PROJECT NO.: .. |
| DESIGNED: SBM | SCALE: 1" = 2000' |
| CHECKED: CJ | FIGURE NO.: 1 |

SITE LOCATION MAP

LITTLE GENERAL STORE #2495
 COMPANY ID # 1036-1993
 FACILITY ID #4-108381
 125 ODD ROAD
 GHENT, RALEIGH COUNTY, WEST VIRGINIA

ATTACHMENT G
EQUIPMENT DATA SHEETS AND REGISTRATION SECTION APPLICABILITY FORM

Equipment data sheets were not available for this unit based on the age of the unit.

G65-C REGISTRATION APPLICATION FORMS

General Permit G65-C Registration Section Applicability Form

General Permit G65-C was developed to allow qualified registrants to seek registration for emergency generator(s).

General Permit G65-C allows the registrant to choose which sections of the permit that they wish to seek registration under. Therefore, please mark which sections that you are applying for registration under. Please keep in mind, that if this registration is approved, the issued registration will state which sections will apply to your affected facility.

- | | | |
|-----------|---|-------------------------------------|
| Section 5 | Reciprocating Internal Combustion Engines (R.I.C.E.)* | <input checked="" type="checkbox"/> |
| Section 6 | Tanks | <input checked="" type="checkbox"/> |
| Section 7 | Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII) | <input type="checkbox"/> |
| Section 8 | Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ) | <input type="checkbox"/> |

* Affected facilities that are subject to Section 5 may also be subject to Sections 7 or 8. Therefore, if the applicant is seeking registration under both sections, please select both.

EMERGENCY GENERATOR ENGINE DATA SHEET

| | | | |
|--|---|---------------|---------|
| Source Identification Number ¹ | | EG-1 | |
| Engine Manufacturer and Model | | Caterpillar | |
| Manufacturer's Rated bhp/rpm | | 305/1,800 | |
| Source Status ² | | NS/ES | |
| Date Installed/Modified/Removed ³ | | 06/01/2013 | |
| Engine Manufactured/Reconstruction Date ⁴ | | 10/25/1996 | |
| Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart IIII? (Yes or No) ⁵ | | No | |
| Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart JJJJ? (Yes or No) ⁶ | | No | |
| Engine, Fuel and Combustion Data | Engine Type ⁷ | NA | |
| | APCD Type ⁸ | NA | |
| | Fuel Type ⁹ | 2FO | |
| | H ₂ S (gr/100 scf) | NA | |
| | Operating bhp/rpm | 1,800 | |
| | BSFC (Btu/bhp-hr) | 1.92 MMbtu/hr | |
| | Fuel throughput (ft ³ /hr) | NA | |
| | Fuel throughput (MMft ³ /yr) | NA | |
| | Operation (hrs/yr) | <500 | |
| Reference ¹⁰ | Potential Emissions ¹¹ | lbs/hr | tons/yr |
| AP-42 | NO _x | 8.46 | 2.11 |
| AP-42 | CO | 1.82 | 0.46 |
| AP-42 | VOC | 0.67 | 0.17 |
| AP-42 | SO ₂ | 0.56 | 0.14 |
| AP-42 | PM ₁₀ | 0.59 | 0.15 |
| NA | Formaldehyde | NA | NA |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

1. Enter the appropriate Source Identification Number for each emergency generator. Generator engines should be designated EG-1.

2. Enter the Source Status using the following codes:

| | | | |
|----|---|----|-------------------|
| NS | Construction of New Source (installation) | ES | Existing Source |
| MS | Modification of Existing Source | RS | Removal of Source |

3. Enter the date (or anticipated date) of the engine's installation (construction of source), modification or removal.
4. Enter the date that the engine was manufactured, modified or reconstructed.
5. Is the engine a certified stationary spark ignition internal combustion engine according to 40CFR60 Subpart IIII. If so, the engine and control device must be operated and maintained in accordance with the manufacturer's emission-related written instructions. You must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. If the certified engine is not operated and maintained in accordance with the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and you must demonstrate compliance according to 40CFR§60.4210 as appropriate.

Provide a manufacturer's data sheet for all engines being registered.

6. Is the engine a certified stationary spark ignition internal combustion engine according to 40CFR60 Subpart JJJJ. If so, the engine and control device must be operated and maintained in accordance with the manufacturer's emission-related written instructions. You must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. If the certified engine is not operated and maintained in accordance with the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and you must demonstrate compliance according to 40CFR§60.4243a(2)(i) through (iii), as appropriate.

Provide a manufacturer's data sheet for all engines being registered.

7. Enter the Engine Type designation(s) using the following codes:

| | | | |
|------|-----------------------|------|-----------------------|
| LB2S | Lean Burn Two Stroke | RB4S | Rich Burn Four Stroke |
| LB4S | Lean Burn Four Stroke | | |

8. Enter the Air Pollution Control Device (APCD) type designation(s) using the following codes:

| | | | |
|------|---|------|---|
| A/F | Air/Fuel Ratio | IR | Ignition Retard |
| HEIS | High Energy Ignition System | SIPC | Screw-in Precombustion Chambers |
| PSC | Prestratified Charge | LEC | Low Emission Combustion |
| NSCR | Rich Burn & Non-Selective Catalytic Reduction | SCR | Lean Burn & Selective Catalytic Reduction |

9. Enter the Fuel Type using the following codes:

| | | | |
|-----|------------------------------|-----|--------------------|
| PQ | Pipeline Quality Natural Gas | RG | Raw Natural Gas |
| 2FO | #2 Fuel Oil | LPG | Liquid Propane Gas |

10. Enter the Potential Emissions Data Reference designation using the following codes. Attach all referenced data to this *Compressor/Generator Data Sheet(s)*.

| | | | | |
|----|---------------------|----|-------------|---------------|
| MD | Manufacturer's Data | AP | AP-42 | |
| GR | GRI-HAPCalc™ | OT | Other _____ | (please list) |

11. Enter each engine's Potential to Emit (PTE) for the listed regulated pollutants in pounds per hour and tons per year. PTE shall be calculated at manufacturer's rated brake horsepower and may reflect reduction efficiencies of listed Air Pollution Control Devices. Emergency generator engines may use 500 hours of operation when calculating PTE. PTE data from this data sheet shall be incorporated in the *Emissions Summary Sheet*.

STORAGE TANK DATA SHEET

| Source ID # ¹ | Status ² | Content ³ | Volume ⁴ | Dia ⁵ | Throughput ⁶ | Orientation ⁷ | Liquid Height ⁸ |
|--------------------------|---------------------|----------------------|---------------------|-----------------------------|-----------------------------------|--------------------------|----------------------------|
| T01 | EXIST | DIESEL | 265 | NA (rectangular tank) | 7,000 (based on 500 hrs/yr) | HORZ | 1.9 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

1. Enter the appropriate Source Identification Numbers (Source ID #) for each storage tank located at the compressor station. Tanks should be designated T01, T02, T03, etc.
2. Enter storage tank Status using the following:

| | |
|--------------------------|-----------------------------------|
| EXIST Existing Equipment | NEW Installation of New Equipment |
| REM Equipment Removed | |
3. Enter storage tank content such as condensate, pipeline liquids, glycol (DEG or TEG), lube oil, etc.
4. Enter storage tank volume in gallons.
5. Enter storage tank diameter in feet.
6. Enter storage tank throughput in gallons per year.
7. Enter storage tank orientation using the following:

| | |
|--------------------|----------------------|
| VERT Vertical Tank | HORZ Horizontal Tank |
|--------------------|----------------------|
8. Enter storage tank average liquid height in feet.

**General Permit Levels
Construction, Modification, Relocation, Administrative Update**

Class II General Permits – G10-C (Coal Preparation and Handling), G20-B (Hot Mix Asphalt), G30-D (Natural Gas Compressor Stations), G35-A (Natural Gas Compressor Stations with Flares/Glycol Dehydration Units), G40-B (Nonmetallic Minerals Processing), G50-B (Concrete Batch Plant), G60-C (Emergency Generators)

Class I General Permit - G65-C (Emergency Generators)

| General Permit | Public Notice | Review Period as per 45CSR13 | Application Fee | Criteria | Application Type |
|---|---------------------|------------------------------|------------------------------|--|---|
| Class II General Permit (Construction) | 30 days (applicant) | 90 days | \$500 + applicable NSPS fees | 6 lb/hr and 10 tpy of any regulated air pollutant OR 144 lb/day of any regulated air pollutant, OR 2 lb/hr of any hazardous air pollutant OR 5 tpy of aggregated HAP OR 45CSR27 TAP (10% increase if above BAT triggers or increase to BAT triggers) or subject to applicable standard or rule, but subject to specific eligibility requirements | Registration Application |
| Class II General Permit (Modification) | 30 days (applicant) | 90 days | \$500 + applicable NSPS fees | Same as Class II General Permit (Construction) but subject to specific eligibility requirements | Registration Application |
| Administrative Update (Class I) | None | 60 days | None | Decrease in emissions or permanent removal of equipment OR more stringent requirements or change in MRR that is equivalent or superior | Registration Application or Written Request |
| Administrative Update (Class II) | 30 days (applicant) | 60 days | \$300 + applicable NSPS fees | No change in emissions or an increase less than Class II Modification levels | Registration Application |
| Relocation | 30 days (applicant) | 45 days | \$500 + applicable NSPS fees | No emissions increase or change in facility design or equipment | Registration Application |
| Class I General Permit | None | 45 days | \$250 | Same as Class II General Permit (Construction) but subject to specific eligibility requirements | Registration Application |

**ATTACHMENT I
EMISSIONS CALCULATIONS**

Little General Stores, Inc.
Fiat Top WV Emergency Generator Emissions Estimate

| Size | Engine Type | Make | Consumption gal/hr | Max input MMbtu/hr | Full Load Contaminant Emission Rates in Lbs/hr | | | | | |
|---|-------------|-----------------------------|--------------------|---------------------------------|--|---|--|---|-----------------------------|---|
| | | | | | VOC | NOx | CO | SO ₂ | Partic. | PM10 |
| 200 | diesel | Manufacturer Caterpillar | 14.00 | 1.92 | 0.67 | 8.46 | 1.82 | 0.56 | NMD/No EPA AP 42 | 0.59 |
| | | | | | | | | | | |
| DATA SOURCE | | | | gal/hr*0.137 EPA AP 42 3.3-1 | MMbtu/hr*0.35 EPA AP 42 3.3-1 | MMbtu/hr*4.41 EPA AP 42 3.3-1 | MMbtu/hr*0.95 EPA AP 42 3.3-1 | MMbtu/hr*0.29 EPA AP 42 3.3-1 | NMD/No EPA AP 42 | MMbtu/hr*0.31 EPA AP 42 3.3-1 |
| Annual Totals (Tons) Using 8760 Hrs. PTE | | | | | VOC 2.94 (VOC- lbs/hr*8760hrs) 2000lbs | NOx 37.05 (NOx- lbs/hr*8760hrs) 2000lbs | CO 7.98 (CO- lbs/hr*8760hrs) 2000lbs | SO ₂ 2.44 (SO ₂ - lbs/hr*8760hrs) 2000lbs | Partic. NMD/No EPA AP 42 | PM10 2.60 (PM10 - lbs/hr*8760hrs) 2000lbs |
| Annual Totals (Tons) Using EPA 9/95 Guidance letter (500 Hrs PTE) | | | | | VOC- lbs/hr*500hrs) 2000lbs | (NOx- lbs/hr*500hrs) 2000lbs | (CO- lbs/hr*500hrs) 2000lbs | (SO ₂ - lbs/hr*500hrs) 2000lbs | NMD/No EPA AP 42 | (PM10 - lbs/hr*500hrs) 2000lbs |

| | | | | | | |
|---------------|---|---|---|---|---|---|
| lbs/hr | 0.67 | 8.46 | 1.82 | 0.56 | NMD/No EPA AP 42 | 0.59 |
| Grams/HP-Hour | (Grams/HP- hour/454 grams)*BHP NMD | (Grams/HP- hour/454 grams)*BHP NMD | (Grams/HP- hour/454 grams)*BHP NMD | (Grams/HP- hour/454 grams)*BHP NMD | (Grams/HP-hour/454 grams)*BHP NMD | (Grams/HP-hour/454 grams)*BHP NMD |

BHP @1800 RPM 305

Calculations based on "Air Emissions-Standby Generator" (Basis USEPA AP-42 Section 3.3-1) for 200KW, diesel Caterpillar 3306B)

NMD/No EPA AP 42
 No Manufacturer
 Data or EPA AP
 42 guidance

ATTACHMENT L
GENERAL PERMIT REGISTRATION APPLICATION FEE

ATTACHMENT N
MATERIAL SAFETY DATA SHEETS (MSDS)



Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: ULSD #2 15 Motor Vehicle

Distributor Information:

Sunoco LP
3801 West Chester Pike

Newtown Square, Pennsylvania 19073
sunocomsds@sunocoinc.com

Product Use:

Ultra Low Sulfur Diesel Fuel 2

Emergency Phone Numbers:

| | | |
|-----------|----------------|----------|
| Chemtrec | (800) 424-9300 | 24 Hours |
| Sunoco LP | (800) 964-8861 | 24 Hours |

Information:

Product Safety Information (888) 567-3066

2. HAZARDS IDENTIFICATION

GHS Hazard

Flammable liquids – Category 3 H226
Skin corrosion/irritation – Category 2 H315
Aspiration hazard – Category 1 H304
Acute toxicity, Inhalation – Category 4 H332
Specific organ toxicity (repeated exposure) – Category 2 H373
Carcinogenicity – Category 2 H351
Hazardous to the aquatic environment, chronic toxicity – Category 1 H410

Label Elements – Signal Word: Danger



Hazard Statements

Flammable liquid and vapor. Causes skin irritation. May be fatal if swallowed and enters airways. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from/heat/sparks/open flames-hot surfaces. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist/vapors/spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release into the environment. Wear protective gloves/protective clothing and eye/face protection. IF SWALLOWED: immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Take off contaminated clothing and wash before reuse. In case of fire: Use CO2, dry chemical or foam for extinction. Store in a well-ventilated place. Keep cool. Dispose of contents/container to an approved waste disposal facility.

Hazards Ratings:

Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

| | <u>Health</u> | <u>Fire</u> | <u>Reactivity</u> | <u>PPI</u> |
|------|---------------|-------------|-------------------|------------|
| NFPA | 1 | 2 | 0 | |
| HMIS | 2 | 2 | 0 | X |

• **EMERGENCY OVERVIEW**

Vapors may cause flash fire or explosion. Static accumulator. May form an ignitable vapor/air mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS No.</u> | <u>Amount (Vol%)</u> |
|-------------------|----------------|----------------------|
| #2 DIESEL HIGHWAY | 68476-34-6 | 100 - 100 |
| NAPHTHALENE | 91-20-3 | 0 - 2 |
| M-XYLENE | 108-38-3 | 0 - 0.2 |
| O-XYLENE | 95-47-6 | 0 - 0.12 |
| TOLUENE | 108-88-3 | 0 - 0.098 |
| P-XYLENE | 106-42-3 | 0 - 0.064 |
| ETHYLBENZENE | 100-41-4 | 0 - 0.063 |
| CUMENE | 98-82-8 | 0 - 0.015 |
| HEXANE | 110-54-3 | 0 - 0.014 |
| BENZENE | 71-43-2 | 0 - 0.009 |

4. FIRST AID MEASURES

• **INHALATION**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention.

• **SKIN**

Wash with soap and water for 20 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse. Destroy contaminated shoes and other leather products. Injection injuries may not appear serious at first but within a few hours, without proper treatment, the area will become swollen, discolored and extremely painful.

NOTE TO PHYSICIAN: Following injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss.

• **EYES**

Flush eye with water for 20 minutes. Get medical attention.

• **INGESTION**

Do not induce vomiting! Do not give liquids! Get medical attention immediately.

5. FIRE FIGHTING MEASURES

• **EXTINGUISHING MEDIA**

The following media may be used to extinguish a fire involving this material: Regular foam; Dry chemical; Carbon dioxide; Water may be ineffective. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

- **FIRE FIGHTING INSTRUCTIONS**

Use water spray. Use water spray to cool fire exposed tanks and containers. Wear structural fire-fighting gear. The use of fresh air equipment such as Self Contained Breathing Apparatus (SCBA) or Supplied Air Respirators should be worn for fire-fighting if exposure or potential exposure to products of combustion is expected.

FLAMMABLE PROPERTIES

Flammable. This material can be ignited by heat, sparks or open flames or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, electronic devices such as cell phones, computers, calculators). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back or explode. May create vapor/air explosions hazard indoors, confined spaces, outdoors or in sewers. This product will float and can be reignited on surface water. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of fire.

HAZARDOUS COMBUSTION PRODUCTS: Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of nitrogen and sulfur may also be formed.

6. ACCIDENTAL RELEASE MEASURES

Prevent ignition, stop leak and ventilate the area. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

7. HANDLING AND STORAGE

- **HANDLING**

Use only in a well-ventilated area. **STATIC ACCUMULATOR.** This liquid may form an ignitable vapor-air mixture in closed tanks or containers. This liquid may accumulate static electricity even when transferred into properly grounded containers. Bonding and grounding may be insufficient to remove static electricity. Static electricity accumulation may be significantly increased by the presence of small quantities of water. Always bond receiving container to the fill pipe before and during loading, following NFPA-77 and/or API RP 2003 requirements. Automatic gauging devices and other floats in vessels or tanks which contain static accumulating liquids should be electrically bonded to the shell. Bonding and grounding alone may be inadequate to eliminate fire and explosion hazards associated with electrostatic charges. In addition to bonding and grounding, efforts to mitigate the hazards of an electrostatic discharge may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities. Always keep the nozzle in contact with the container throughout the loading process. Do not fill any portable containers in or on a vehicle. Special precautions, such as reduced loading rates and increased monitoring, must be observed during "switch loading" operations (i.e. loading this material in tanks or shipping compartments that previously contained middle distillates or similar products). Non-equilibrium conditions may increase the risks associated with static electricity such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. Dissipation of electrostatic charges may be improved with the use of conductivity additives when used with other mitigating efforts, including bonding and grounding. Avoid breathing (dust, vapor, mist, gas). Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. "Empty" containers retain product 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.** Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioned, or properly disposed of. For use as a motor fuel only. Do not use as a solvent due to its flammable and potentially toxic properties.

- **STORAGE**

Keep away from heat, sparks, and flame. Keep container closed when not in use. Store in a cool place in original container and protect from sunlight. Outside or detached storage is preferred. NFPA class II storage. Flash point is greater than 100 degrees F and less than 140 degrees F. Consult NFPA and / or OSHA codes for additional information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

- **ENGINEERING CONTROLS**

Use with adequate ventilation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Good general ventilation should be sufficient to control airborne levels.

- **PERSONAL PROTECTION**

- **EYE PROTECTION**

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

- **GLOVES or HAND PROTECTION**

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Protective gloves are recommended to protect against contact with product. Polyethylene; Nitrile; Viton; Polyvinyl chloride (PVC); Neoprene; Polyvinyl alcohol;

- **RESPIRATORY PROTECTION**

Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Half-mask air purifying respirator with organic vapor cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with organic vapor cartridges is acceptable for exposures to fifty (50) times the exposure limit. Exposure should not exceed the cartridge limit of 1000 ppm. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

- **OTHER**

Where splashing is possible, full chemically resistant protective clothing and boots are required. The following materials are acceptable for use as protective clothing: Polyethylene; Nitrile; Viton; Polyvinyl chloride (PVC); Polyvinyl alcohol (PVA); Neoprene; Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Remove contaminated clothing and wash before reuse. For non-fire emergencies, positive pressure SCBA and structural firefighter's protective clothing will provide only limited protection.

EXPOSURE GUIDELINES

| | CAS No. | Governing Body | Exposure Limits | | |
|-------------------|------------|----------------|-----------------|-----|-------|
| #2 DIESEL HIGHWAY | 68476-34-6 | ACGIH | TWA | 100 | mg/m3 |
| BENZENE | 71-43-2 | ACGIH | STEL | 2.5 | ppm |
| BENZENE | 71-43-2 | OSHA | STEL | 5 | ppm |
| BENZENE | 71-43-2 | ACGIH | TWA | 0.5 | ppm |
| BENZENE | 71-43-2 | OSHA | TWA | 1 | ppm |
| CUMENE | 98-82-8 | ACGIH | TWA | 50 | ppm |
| CUMENE | 98-82-8 | OSHA | TWA | 50 | ppm |
| HEXANE | 110-54-3 | ACGIH | TWA | 50 | ppm |
| HEXANE | 110-54-3 | OSHA | TWA | 500 | ppm |
| M-XYLENE | 108-38-3 | ACGIH | STEL | 150 | ppm |
| M-XYLENE | 108-38-3 | ACGIH | TWA | 100 | ppm |
| M-XYLENE | 108-38-3 | OSHA | TWA | 100 | ppm |
| NAPHTHALENE | 91-20-3 | ACGIH | STEL | 15 | ppm |
| NAPHTHALENE | 91-20-3 | ACGIH | TWA | 10 | ppm |
| NAPHTHALENE | 91-20-3 | OSHA | TWA | 10 | ppm |
| O-XYLENE | 95-47-6 | ACGIH | STEL | 150 | ppm |
| O-XYLENE | 95-47-6 | ACGIH | TWA | 100 | ppm |
| O-XYLENE | 95-47-6 | OSHA | TWA | 100 | ppm |
| P-XYLENE | 106-42-3 | ACGIH | STEL | 150 | ppm |
| P-XYLENE | 106-42-3 | ACGIH | TWA | 100 | ppm |
| P-XYLENE | 106-42-3 | OSHA | TWA | 100 | ppm |
| TOLUENE | 108-88-3 | NIOSH | STEL | 150 | ppm |
| TOLUENE | 108-88-3 | ACGIH | TWA | 20 | ppm |
| TOLUENE | 108-88-3 | OSHA | TWA | 200 | ppm |
| ETHYLBENZENE | 100-41-4 | ACGIH | TWA | 20 | ppm |
| ETHYLBENZENE | 100-41-4 | OSHA | TWA | 100 | ppm |

9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical Property | Typical | Units | Text Result | Reference |
|---------------------------|---------|--------|----------------|-----------|
| Appearance | | N/A | Reddish liquid | |
| Auto Ignition Temperature | 494 | F | | |
| Boiling Point | | F | 390 TO 600 | |
| Flash Point | 125 | F | Min PMCC | |
| Melting Point | | F | no data | |
| Molecular Weight | | g/mole | no data | |
| Octanol/Water Coefficient | | N/A | no data | |
| Upper Exp. Limit | 10 | % | | |
| Low Explosion Limit | 0.3 | % | no data | |
| Specific Gravity | 0.87 | N/A | | |
| Solubility In Water | | wt % | NIL | |
| Odor | | N/A | Diesel Fuel | |
| Odor Threshold | | ppm | no data | |
| Vapor Pressure | 0.5 | mmHg | | @ 20 C |
| Viscosity (F) | | SUS | no data | |
| Viscosity (C) | 1.9 | CsT | | @ 40 C |
| % Volatile | 100 | wt % | | |

10. STABILITY AND REACTIVITY

- **STABILITY**
Stable
- **CONDITIONS TO AVOID**
Avoid heat, sparks and open flame.
- **INCOMPATIBILITY**
Strong oxidizers
- **HAZARDOUS DECOMPOSITION PRODUCTS**
Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.
- **HAZARDOUS POLYMERIZATION**
Will not polymerize.

11. TOXICOLOGY INFORMATION

Single Exposure Health Effects

Oral:

LD50 (g/kg): >5 g/kg

Dermal:

LD50 (mg/kg): >4.1 g/kg

Inhalation:

LC50 (mg/l): 4.65 mg/l mist

LC50 (mg/m3): no data

LC50 (ppm): no data

• POTENTIAL HEALTH EFFECTS

▪ INHALATION

High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness and even death).

▪ SKIN

Practically non-toxic if absorbed through the skin. Prolonged or repeated skin contact may cause irritation. Contains a material that has caused skin tumors in laboratory animals.

▪ EYES

Mildly irritating to the eyes.

▪ INGESTION

Harmful or fatal if swallowed. Pulmonary aspiration hazard. While ingesting or vomiting, may enter lungs and produce damage.

▪ PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

The following diseases or disorders may be aggravated by exposure to this product: skin, kidney,

Skin Sensitization: Not expected to be a skin sensitizer.

Respiratory Sensitizer: Not expected to be a respiratory sensitizer.

Specific Target Organ Toxicity (Single Exposure): Not expected to cause organ effects from single exposure.

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged and repeated exposure. Repeated dermal application of petroleum gas oils for 90 days resulted in decreased liver, thymus, and spleen weights, and altered bone marrow function. Microscopic alterations included liver hypertrophy and necrosis, decreased hematopoiesis and lymphocyte depletion.

Carcinogenicity: Dermal exposure to middle distillates have caused skin cancer in laboratory animals when repeatedly applied and left in place between applications. Ethylbenzene, a component of this product, has been designated by the International Agency for Research on Cancer as "possibly carcinogenic to humans", based on increased tumor incidence in laboratory animals. Also, exposure to naphthalene has produced "respiratory tract" tumors in laboratory animals.

Component Toxicity Information

Overexposure to naphthalene, a minor component of this product, may cause skin, eye and respiratory tract irritation, anemia, loss of vision, nervous system effects and kidney and thymus damage laboratory animals. Cumene may be harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and cause damage. May cause respiratory irritation, fluid in the lungs and lung damage. May be irritating to the skin and eyes. May cause nervous system effects, including drowsiness, dizziness, coma and even death. Overexposure has caused kidney, nose, and liver damage in laboratory animals. Following inhalation exposure, an increased tumor incidence has been observed in experimental animals. The significance of this finding to human health is presently unknown. , Overexposure to Ethylbenzene may lead to nervous system effects, including drowsiness, dizziness, nausea, headaches, paralysis, loss of consciousness and even death. Repeated overexposure has caused a hearing loss in laboratory animals.

12. ECOLOGICAL INFORMATION

Toxicity: Experimental studies of gas oils show that acute aquatic toxicity values are typically in the range of 2-20 mg/l. These values are consistent with the predicted aquatic toxicity of these substances based on their hydrocarbon compositions. They should be regarded as toxic to aquatic organisms, with the potential to cause long term adverse effects in the aquatic environment.

Persistence and Degradability: Gas oils are complex combinations of individual hydrocarbon species. Based on the known or expected properties of individual constituents, category members are not predicted to be readily biodegradable. Some hydrocarbon constituents of gas oils are predicted to meet the criteria for persistence; on the other hand, some component can be easily degraded by microorganisms under aerobic conditions.

Bioaccumulative Potential: Gas oil components have measured or calculated Log Kow values in the range of 3.9 to 6 which indicates a high potential to bioaccumulate. Lower molecular weight compounds are readily metabolized and the actual bioaccumulation potential of higher molecular weights compounds is limited by the low water solubility and large molecular size.

Mobility in Soil: Releases to water will result in a hydrocarbon film floating and spreading on the surface. For the lighter components, volatilization is an important loss process and reduces the hazards to aquatic organisms. In air, the hydrocarbon vapors react readily with hydroxyl radicals with half-lives of less than one day. Photooxidation on the water surface is also a significant loss process particularly for polycyclic aromatic compounds. In water, the majority of components will be absorbed in sediment. Adsorption is the most predominant physical process on release to soil. Adsorbed hydrocarbons will slowly degrade in both water and soil.

13. DISPOSAL CONSIDERATIONS

Follow federal, state and local regulations. This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

14. TRANSPORT INFORMATION

| <u>Governing Body</u> | <u>Mode</u> | <u>Proper Shipping Name</u> |
|-----------------------|-------------|-----------------------------|
| DOT | Ground | Fuel Oil |
| IATA | Air | Gas Oil |

| <u>Governing Body</u> | <u>Mode</u> | <u>Hazard Class</u> | <u>UN/NA No.</u> | <u>Label</u> |
|-----------------------|-------------|-----------------------|------------------|--------------|
| DOT | Ground | Combustible Liquid | NA1993 | |
| IATA | Air | Flammable Liquid | 1202 | |

15. REGULATORY INFORMATION

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): Maximum Wt% Naphthalene- CAS Number 91-20-3, 2.6%; Ethyl benzene- CAS Number 100-41-4, 0.1%. This information must be included in all MSDSs that are copied and distributed for this material.

| <u>Regulatory List</u> | <u>Component</u> | <u>CAS No.</u> |
|--|-------------------|----------------|
| ACGIH - Occupational Exposure Limits - Carcinogens | #2 DIESEL HIGHWAY | 68476-34-6 |
| ACGIH - Occupational Exposure Limits - TWAs | #2 DIESEL HIGHWAY | 68476-34-6 |
| ACGIH - Skin Absorption Designation | #2 DIESEL HIGHWAY | 68476-34-6 |
| Inventory - Australia (AICS) | #2 DIESEL HIGHWAY | 68476-34-6 |
| Inventory - Canada - Domestic Substances List | #2 DIESEL HIGHWAY | 68476-34-6 |
| Inventory - China | #2 DIESEL HIGHWAY | 68476-34-6 |
| Inventory - European EINECS Inventory | #2 DIESEL HIGHWAY | 68476-34-6 |
| Inventory - Korea - Existing and Evaluated | #2 DIESEL HIGHWAY | 68476-34-6 |
| Inventory - Philippines Inventory (PICCS) | #2 DIESEL HIGHWAY | 68476-34-6 |
| Inventory - TSCA - Sect. 8(b) Inventory | #2 DIESEL HIGHWAY | 68476-34-6 |
| ACGIH - Occupational Exposure Limits - Carcinogens | BENZENE | 71-43-2 |
| ACGIH - Occupational Exposure Limits - Carcinogens | ETHYLBENZENE | 100-41-4 |
| ACGIH - Occupational Exposure Limits - Carcinogens | M-XYLENE | 108-38-3 |
| ACGIH - Occupational Exposure Limits - Carcinogens | NAPHTHALENE | 91-20-3 |
| ACGIH - Occupational Exposure Limits - Carcinogens | #2 DIESEL HIGHWAY | 68476-34-6 |
| ACGIH - Occupational Exposure Limits - Carcinogens | O-XYLENE | 95-47-6 |
| ACGIH - Occupational Exposure Limits - Carcinogens | P-XYLENE | 106-42-3 |
| ACGIH - Occupational Exposure Limits - Carcinogens | TOLUENE | 108-88-3 |
| ACGIH - Occupational Exposure Limits - TWAs | BENZENE | 71-43-2 |
| ACGIH - Occupational Exposure Limits - TWAs | CUMENE | 98-82-8 |
| ACGIH - Occupational Exposure Limits - TWAs | ETHYLBENZENE | 100-41-4 |
| ACGIH - Occupational Exposure Limits - TWAs | HEXANE | 110-54-3 |
| ACGIH - Occupational Exposure Limits - TWAs | M-XYLENE | 108-38-3 |
| ACGIH - Occupational Exposure Limits - TWAs | NAPHTHALENE | 91-20-3 |

| | | |
|---|--------------|----------|
| New Jersey - Env Hazardous Substances List | CUMENE | 98-82-8 |
| New Jersey - Env Hazardous Substances List | ETHYLBENZENE | 100-41-4 |
| New Jersey - Env Hazardous Substances List | HEXANE | 110-54-3 |
| New Jersey - Env Hazardous Substances List | M-XYLENE | 108-38-3 |
| New Jersey - Env Hazardous Substances List | NAPHTHALENE | 91-20-3 |
| New Jersey - Env Hazardous Substances List | O-XYLENE | 95-47-6 |
| New Jersey - Env Hazardous Substances List | P-XYLENE | 106-42-3 |
| New Jersey - Env Hazardous Substances List | TOLUENE | 108-88-3 |
| New Jersey - Special Hazardous Substances | BENZENE | 71-43-2 |
| New Jersey - Special Hazardous Substances | CUMENE | 98-82-8 |
| New Jersey - Special Hazardous Substances | ETHYLBENZENE | 100-41-4 |
| New Jersey - Special Hazardous Substances | HEXANE | 110-54-3 |
| New Jersey - Special Hazardous Substances | M-XYLENE | 108-38-3 |
| New Jersey - Special Hazardous Substances | NAPHTHALENE | 91-20-3 |
| New Jersey - Special Hazardous Substances | O-XYLENE | 95-47-6 |
| New Jersey - Special Hazardous Substances | P-XYLENE | 106-42-3 |
| New Jersey - Special Hazardous Substances | TOLUENE | 108-88-3 |
| NTP - Report on Carcinogens - Known Carcinogens | BENZENE | 71-43-2 |
| NTP - Report on Carcinogens - Suspect Carcinogens | NAPHTHALENE | 91-20-3 |
| OSHA - Final PELs - Ceiling Limits | BENZENE | 71-43-2 |
| OSHA - Final PELs - Ceiling Limits | TOLUENE | 108-88-3 |
| OSHA - Final PELs - Short Term Exposure Limits | BENZENE | 71-43-2 |
| OSHA - Final PELs - Skin Notations | CUMENE | 98-82-8 |
| OSHA - Final PELs - Time Weighted Averages | BENZENE | 71-43-2 |
| OSHA - Final PELs - Time Weighted Averages | CUMENE | 98-82-8 |
| OSHA - Final PELs - Time Weighted Averages | ETHYLBENZENE | 100-41-4 |
| OSHA - Final PELs - Time Weighted Averages | HEXANE | 110-54-3 |
| OSHA - Final PELs - Time Weighted Averages | NAPHTHALENE | 91-20-3 |
| OSHA - Final PELs - Time Weighted Averages | TOLUENE | 108-88-3 |
| Pennsylvania - RTK (Right to Know) List | BENZENE | 71-43-2 |
| Pennsylvania - RTK (Right to Know) List | CUMENE | 98-82-8 |
| Pennsylvania - RTK (Right to Know) List | ETHYLBENZENE | 100-41-4 |
| Pennsylvania - RTK (Right to Know) List | HEXANE | 110-54-3 |
| Pennsylvania - RTK (Right to Know) List | M-XYLENE | 108-38-3 |
| Pennsylvania - RTK (Right to Know) List | NAPHTHALENE | 91-20-3 |
| Pennsylvania - RTK (Right to Know) List | O-XYLENE | 95-47-6 |
| Pennsylvania - RTK (Right to Know) List | P-XYLENE | 106-42-3 |
| Pennsylvania - RTK (Right to Know) List | TOLUENE | 108-88-3 |
| Pennsylvania - RTK - Special Hazardous Substances | BENZENE | 71-43-2 |
| TSCA - Sect. 12(b) - Export Notification | NAPHTHALENE | 91-20-3 |
| TSCA - Sect. 12(b) - Export Notification | P-XYLENE | 106-42-3 |
| TSCA - Section 4 - Chemical Test Rules | NAPHTHALENE | 91-20-3 |
| TSCA - Section 4 - Chemical Test Rules | P-XYLENE | 106-42-3 |

Title III Classifications Sections 311,312:

- Acute: **YES**
- Chronic: **YES**
- Fire: **YES**
- Reactivity: **NO**
- Sudden Release of Pressure: **NO**

16. OTHER INFORMATION

Follow all MSDS/label precautions even after container is emptied because it may retain product residue. Keep out of reach of children. Email Address: For MSDS requests/information please contact sunocomsds@sunocoinc.com. For use as a motor fuel only. Do not use as a solvent due to its flammable and potentially toxic properties.