# Fleet Mobile CNG 15W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
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## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture
Product name : Fleet Mobile CNG 15W-40 Engine Oil
Product code : 500805

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Natural Gas Engine Oil

### 1.3. Supplier

Martin Lubricants
484 East 6th St.
Smackover, AR 71762

### 1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Not classified

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labelling

No labelling applicable

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % |
|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | CAS-No.: 64742-65-0 | 35 – 70 |
| Distillates, hydrotreated heavy paraffinic | CAS-No.: 64742-54-7 | 30 – 40 |
| White Mineral Oil | CAS-No.: 8042-47-5 | 10 – 20 |

| Name | Product identifier | % |
|---|---|---|
| 01154100-5327P | CAS-No.: Trade Secret | 0.1 – 2 |
| Zinc salts of dialkyl dithiophosphoric acid | CAS-No.: 68649-42-3 | 0.1 – 2 |
| Phenol, (tetrapropenyl) derivatives | CAS-No.: 74499-35-7 | Trace |
| Calcium Branched Alkylphenol | CAS-No.: 132752-19-3 | Trace |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Fleet Mobile CNG 15W-40 Engine Oil**

No additional information available

**Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)**

No additional information available

**Distillates, hydrotreated heavy paraffinic (64742-54-7)**

No additional information available

**White Mineral Oil (8042-47-5)**

**USA - ACGIH - Occupational Exposure Limits**

| | |
|---|---|
| ACGIH OEL TWA | 5 mg/m³ |

**01154100-5327P (Trade Secret)**

No additional information available

**Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)**

No additional information available

**Phenol, (tetrapropenyl) derivatives (74499-35-7)**

No additional information available

**Calcium Branched Alkylphenol (132752-19-3)**

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

| **Hand protection:** |
|---|
| Protective gloves |

| **Eye protection:** |
|---|
| Safety glasses |

| **Skin and body protection:** |
|---|
| Wear suitable protective clothing |

| **Respiratory protection:** |
|---|
| In case of insufficient ventilation, wear suitable respiratory equipment |

**Personal protective equipment symbol(s):**

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Amber, clear liquid. |
| Colour | : | Amber |
| Odour | : | Mild petroleum; Hydrocarbon |
| Odour threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | Not determined. Expected to be >260°C (500°F) |
| Flash point | : | 233 °C (451.40°F) |
| Relative evaporation rate (butylacetate=1) | : | Negligible at STP |
| Flammability (solid, gas) | : | Flash point at or above 200°F/93°C<br>Not applicable. |
| Vapour pressure | : | Negligible at STP |
| Relative vapour density at 20 °C | : | > 1 at STP |
| Relative density | : | 0.89 |
| Density | : | 7.23 lb/gal |
| Solubility | : | Material nearly insoluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | 84.45 mm²/s at 40°C (104°F), 12.98 cSt at 100°C (212°F) |
| Viscosity, dynamic | : | No data available |
| Explosive limits | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg Source: IUCLID |
| LD50 dermal rabbit | > 2000 mg/kg Source: IUCLID |
| LC50 Inhalation - Rat (Dust/Mist) | 2.18 mg/l Source: IUCLID |
| ATE US (dust,mist) | 2.18 mg/l/4h |

| Distillates, hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LD50 oral rat | > 15000 mg/kg Source: IUCLID |
| LD50 dermal rabbit | > 5000 mg/kg Source: IUCLID |

| White Mineral Oil (8042-47-5) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 5 mg/l |

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) | |
|---|---|
| LD50 oral rat | 3195 mg/kg Source: ECHA |
| LD50 dermal rabbit | > 3160 mg/kg Source: ECHA |
| LC50 Inhalation - Rat | > 5000 mg/m³ Source: ECHA |
| ATE US (oral) | 3195 mg/kg bodyweight |

Skin corrosion/irritation : Not classified

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) | |
|---|---|
| pH | 5.5 – 7.5 Source: ECHA |

Serious eye damage/irritation : Not classified

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) | |
|---|---|
| pH | 5.5 – 7.5 Source: ECHA |

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | ≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |

Aspiration hazard : Not classified

Viscosity, kinematic : 84.45 mm²/s at 40°C (104°F), 12.98 cSt at 100°C (212°F)

| White Mineral Oil (8042-47-5) | |
|---|---|
| Viscosity, kinematic | > 3 mm²/s |

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) | |
|---|---|
| Viscosity, kinematic | 9 – 15 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' Remarks on result: 'other:' |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| LC50 - Fish [1] | > 5000 mg/l Source: IUCLID |
| EC50 - Crustacea [1] | > 1000 mg/l Source: IUCLID |
| EC50 96h - Algae [1] | > 1000 mg/l Source: IUCLID |

| Distillates, hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LC50 - Fish [1] | > 5000 mg/l |
| EC50 - Crustacea [1] | > 1000 mg/l Source: IUCLID |
| EC50 96h - Algae [1] | > 1000 mg/l Source: IUCLID |

| White Mineral Oil (8042-47-5) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l |

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) | |
|---|---|
| LC50 - Fish [1] | 1 – 5 mg/l Source: ECHA |

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) | |
|---|---|
| EC50 - Crustacea [1] | 1 – 1.5 mg/l Source: IUCLID |
| EC50 96h - Algae [1] | 1 – 5 mg/l Source: IUCLID |

| Phenol, (tetrapropenyl) derivatives (74499-35-7) | |
|---|---|
| LC50 - Fish [1] | 0.146 mg/l Source: ECOSAR |
| EC50 96h - Algae [1] | 0.6 mg/l Source: ECOSAR |

### 12.2. Persistence and degradability

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| Persistence and degradability | Biodegradability in water: no data available. |

| White Mineral Oil (8042-47-5) | |
|---|---|
| Persistence and degradability | Not readily biodegradable in water. |

### 12.3. Bioaccumulative potential

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 |
| Bioaccumulative potential | No bioaccumulation data available. |

| Distillates, hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID |

| White Mineral Oil (8042-47-5) | |
|---|---|
| BCF - Other aquatic organisms [1] | 1216 l/kg |
| Partition coefficient n-octanol/water (Log Pow) | 5.18 |
| Bioaccumulative potential | Potential for bioaccumulation (500 ≤ BCF ≤ 5000). |

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 14.876 Source: ECHA |

### 12.4. Mobility in soil

| White Mineral Oil (8042-47-5) | |
|---|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.64 |
| Ecology - soil | Low potential for adsorption in soil. |

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---|---|---|
| **14.1. UN number** | | | |
| Not regulated for transport | | | |
| **14.2. Proper Shipping Name** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **Transport document description** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

### 14.6. Special precautions for user

**DOT**
No data available

**TDG**
No data available

**IMDG**
No data available

**IATA**
No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|---|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 64742-65-0 | Present | Active | |
| Distillates, hydrotreated heavy paraffinic | 64742-54-7 | Present | Active | |
| White Mineral Oil | 8042-47-5 | Present | Active | |
| 01154100-5327P | Trade Secret | Not present | - | |

| Name | CAS-No. | Listing | Commercial status | Flags |
|---|---|---|---|---|
| Zinc salts of dialkyl dithiophosphoric acid | 68649-42-3 | Present | Active | |
| Phenol, (tetrapropenyl) derivatives | 74499-35-7 | Present | Active | |
| Calcium Branched Alkylphenol | 132752-19-3 | Present | Active | |

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

## 15.2. International regulations

### CANADA

**Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)**

Listed on the Canadian DSL (Domestic Substances List)

**Distillates, hydrotreated heavy paraffinic (64742-54-7)**

Listed on the Canadian DSL (Domestic Substances List)

**White Mineral Oil (8042-47-5)**

Listed on the Canadian DSL (Domestic Substances List)

**Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)**

Listed on the Canadian DSL (Domestic Substances List)

**Phenol, (tetrapropenyl) derivatives (74499-35-7)**

Listed on the Canadian NDSL (Non-Domestic Substances List)

**Calcium Branched Alkylphenol (132752-19-3)**

Listed on the Canadian NDSL (Non-Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

**Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Distillates, hydrotreated heavy paraffinic (64742-54-7)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**White Mineral Oil (8042-47-5)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

| Zinc salts of dialkyl dithiophosphoric acid (68649-42-3) |
| --- |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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Safety Data Sheet (SDS), USA

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