
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade name : PARTS Master® SAE 15W-40 MOTOR OIL

Recommended use of the chemical and restrictions on use

<table>
<thead>
<tr>
<th>Details of the supplier of the safety data sheet</th>
<th>Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashland</td>
<td>1-800-ASHLAND (1-800-274-5263)</td>
</tr>
<tr>
<td>P.O. Box 2219</td>
<td></td>
</tr>
<tr>
<td>Columbus, OH 43216</td>
<td></td>
</tr>
<tr>
<td>United States of America</td>
<td></td>
</tr>
<tr>
<td>EHS Customer <a href="mailto:Requests@ashland.com">Requests@ashland.com</a></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Eye irritation : Category 2A
Reproductive toxicity : Category 2

GHS Label element
Hazard pictograms :

Signal Word : Warning
Hazard Statements : Causes serious eye irritation. Suspected of damaging fertility or the unborn child.

Precautionary Statements : Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Storage:
Store locked up.

Disposal:
Dispose of contents/container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture
Chemical nature: Defatter

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC</td>
<td>64742-65-0</td>
<td>Asp. Tox. 1; H304</td>
<td>8.04</td>
</tr>
<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>Asp. Tox. 1; H304</td>
<td>1.63</td>
</tr>
<tr>
<td>ZINC DIALKYLDITHIOPHOSPHATE</td>
<td>93819-94-4</td>
<td>Skin Irrit. 2; H315; Eye Dam. 1; H318</td>
<td>1.07</td>
</tr>
<tr>
<td>DODECYLPHENOL, MIXED ISOMERS</td>
<td>121158-58-5</td>
<td>Skin Irrit. 2; H315; Eye Irrit. 2A; H319; Repr. 2; H361; Aquatic Acute 1; H400; Aquatic Chronic 1; H410</td>
<td>0.16</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

General advice: Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If inhaled: If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact: Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use.

In case of eye contact: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.

If swallowed: Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) Causes serious eye irritation. Suspected of damaging fertility or the unborn child.

Notes to physician: No hazards which require special first aid measures.
SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products: carbon dioxide and carbon monoxide
Hydrocarbons
hydrogen sulfide
zinc oxide
Sulphur oxides
mercaptans

Specific extinguishing methods: Product is compatible with standard fire-fighting agents.

Further information: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.
Ensure adequate ventilation.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions: Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

Other information: Comply with all applicable federal, state, and local regulations.
**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling:

- Do not breathe vapours/dust.
- Do not smoke.
- Container hazardous when empty.
- Avoid contact with skin and eyes.
- Smoking, eating and drinking should be prohibited in the application area.
- For personal protection see section 8.
- Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage:

- Keep container tightly closed in a dry and well-ventilated place.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Observe label precautions.
- Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC</td>
<td>64742-65-0</td>
<td>PEL</td>
<td>500 ppm</td>
<td>OSHA_TRA:NS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2,000 mg/m3</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>REL</td>
<td>5 mg/m3 Mist.</td>
<td>NIOSH/GUID:E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>10 mg/m3 Mist.</td>
<td>NIOSH/GUID:E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL</td>
<td>5 mg/m3 Mist.</td>
<td>OSHA_TRA:NS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>5 mg/m3 Mist.</td>
<td>Z1A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>400 ppm 1,600 mg/m3</td>
<td>Z1A</td>
</tr>
<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>REL</td>
<td>5 mg/m3 Mist.</td>
<td>NIOSH/GUID:E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>10 mg/m3 Mist.</td>
<td>NIOSH/GUID:E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL</td>
<td>5 mg/m3 Mist.</td>
<td>OSHA_TRA:NS</td>
</tr>
</tbody>
</table>

Engineering measures:

- Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or
apparent adverse effects.

**Personal protective equipment**

**Respiratory protection**
A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

**Hand protection**
Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection**
Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection**
Wear as appropriate:
- impervious clothing
- Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Wear resistant gloves (consult your safety equipment supplier).

**Hygiene measures**
Wash hands before breaks and at the end of workday.
When using do not eat or drink.
When using do not smoke.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state**
- liquid

**Colour**
- amber

**Odour**
- hydrocarbon-like

**Odour Threshold**
No data available

**pH**
No data available

**Melting point/freezing point**
No data available

**Boiling point.boiling range**
No data available

**Flash point**
> 390 °F / > 199 °C
Method: Cleveland open cup
### Evaporation rate
- No data available

### Flammability (solid, gas)
- No data available

### Upper explosion limit
- 6 %(V)
  - Calculated Explosive Limit

### Lower explosion limit
- 1 %(V)
  - Calculated Explosive Limit

### Vapour pressure
- 0.0133333 hPa (21.11 °C)
  - Calculated Vapor Pressure

### Relative vapour density
- No data available

### Relative density
- 0.89 (15.6 °C)

### Density
- 0.880 g/cm³ (15.6 °C)

### Solubility(ies)
- Water solubility: negligible
- Solubility in other solvents: No data available

### Partition coefficient: n-octanol/water
- No data available

### Thermal decomposition
- No data available

### Viscosity
- Viscosity, dynamic: No data available
- Viscosity, kinematic: ca. 112 mm²/s (40 °C)

### Oxidizing properties
- No data available

---

### SECTION 10. STABILITY AND REACTIVITY

#### Reactivity
- No decomposition if stored and applied as directed.

#### Chemical stability
- Stable under recommended storage conditions.

#### Possibility of hazardous reactions
- Product will not undergo hazardous polymerization.

#### Conditions to avoid
- excessive heat

#### Incompatible materials
- Strong oxidizing agents

#### Hazardous decomposition
products: carbon dioxide and carbon monoxide
Hydrocarbons
hydrogen sulfide
Sulphur oxides
zinc oxide fumes
mercaptans

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
- Inhalation
- Skin contact
- Eye Contact
- Ingestion

Acute toxicity
Not classified based on available information.

Components:
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:
Acute oral toxicity: LD 50 (Rat): > 5,000 mg/kg
Acute dermal toxicity: LD 50 (Rabbit): > 5,000 mg/kg

ZINC DIALKYLDITHIOPHOSPHATE:
Acute oral toxicity: LD 50 (Rat): 2,600 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Product:
Remarks: May cause skin irritation in susceptible persons.
Result: Repeated exposure may cause skin dryness or cracking.

Components:
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:
Result: Mildly irritating to skin

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to skin

ZINC DIALKYLDITHIOPHOSPHATE:
Result: Irritating to skin

DODECYLPHENOL, MIXED ISOMERS:
Result: Irritating to skin

Serious eye damage/eye irritation
Causes serious eye irritation.

Product:
Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin, Causes serious eye irritation.
Components:
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:
Result: Mildly irritating to eyes

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to eyes

ZINC DIALKYLDITHIOPHOSPHATE:
Result: Corrosive to eyes

DODECYLPHENOL, MIXED ISOMERS:
Result: Irritating to eyes

Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Suspected of damaging fertility or the unborn child.

Components:
DODECYLPHENOL, MIXED ISOMERS:
Reproductive toxicity - Assessment: Suspected of damaging fertility.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Product:
No aspiration toxicity classification

Components:
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:
May be fatal if swallowed and enters airways.

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
May be fatal if swallowed and enters airways.

Further information
Product:
Remarks: No data available

Carcinogenicity:
IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential
carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

ZINC DIALKYLDITHIOPHOSPHATE:

Toxicity to fish: LL50 (Onchorhynchus mykiss (rainbow trout)): 4.5 mg/l
Exposure time: 96 h
Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates: EC 50 (Water flea (Daphnia magna)): 5.4 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae: EC 50 (Selenastrum capricornutum (green algae)): 2.1 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test

DODECYLPHENOL, MIXED ISOMERS:

M-Factor (Acute aquatic toxicity): 1

M-Factor (Chronic aquatic toxicity): 1

Ecotoxicology Assessment

Acute aquatic toxicity: Very toxic to aquatic life.

Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.

Persistence and degradability

ZINC DIALKYLDITHIOPHOSPHATE:

Biodegradability: Biodegradation: 1.5 %
Exposure time: 28 d
Remarks: Not readily biodegradable.

Bioaccumulative potential

ZINC DIALKYLDITHIOPHOSPHATE:

Partition coefficient: n-octanol/water: log Pow: 0.59 - 1.2 (23 °C)

Mobility in soil

No data available
Other adverse effects
No data available

**Product:**

Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

**General advice:**
- The product should not be allowed to enter drains, water courses or the soil.
- Do not contaminate ponds, waterways or ditches with chemical or used container.
- Send to a licensed waste management company.
- Dispose of in accordance with all applicable local, state and federal regulations.

**Contaminated packaging:**
- Empty remaining contents.
- Dispose of as unused product.
- Empty containers should be taken to an approved waste handling site for recycling or disposal.
- Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

**International transport regulations**

**REGULATION**

<table>
<thead>
<tr>
<th>ID NUMBER</th>
<th>PROPER SHIPPING NAME</th>
<th>HAZARD CLASS</th>
<th>SUBSIDIARY HAZARDS</th>
<th>PACKING GROUP</th>
<th>MARINE POLLUTANT / LTD. QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. DOT - ROAD</strong></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Not dangerous goods</td>
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</tr>
<tr>
<td><strong>U.S. DOT - RAIL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not dangerous goods</td>
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<td></td>
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</tr>
<tr>
<td><strong>U.S. DOT - INLAND WATERWAYS</strong></td>
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<tr>
<td>Not dangerous goods</td>
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<tr>
<td><strong>TRANSPORT CANADA - ROAD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TRANSPORT CANADA - RAIL
Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS
Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS
Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO
Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER
Not dangerous goods

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES
Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant | no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSENIC</td>
<td>7440-38-2</td>
<td>1</td>
<td>66666.666667</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazards : Acute Health Hazard
                     Chronic Health Hazard

SARA 313 Component(s)
ZINC BIS[O-(6-METHYLHELPTYL)]BIS[O-SEC-BUTYL]BIS(DITHIOPHOSPHATE)  93819-94-4  1.07 %

Pennsylvania Right To Know
HEAVY PARAFFINIC DISTILLATE  64742-54-7  70.00 - 90.00 %
LUBRICANT ADDITIVE  Not Assigned  5.00 - 10.00 %
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC  64742-65-0  5.00 - 10.00 %
HYDROTREATED LIGHT PARAFFINIC DISTILLATE  64742-55-8  1.00 - 5.00 %

New Jersey Right To Know
HEAVY PARAFFINIC DISTILLATE  64742-54-7  70.00 - 90.00 %
LUBRICANT ADDITIVE  Not Assigned  5.00 - 10.00 %
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC  64742-65-0  5.00 - 10.00 %
HYDROTREATED LIGHT PARAFFINIC DISTILLATE  64742-55-8  1.00 - 5.00 %
ZINC DIALKYLDITHIOPHOSPHATE  93819-94-4  1.00 - 5.00 %

California Prop 65
Proposition 65 warnings are not required for this product based on the results of a risk assessment.

The components of this product are reported in the following inventories:
TSCA  :  On TSCA Inventory
DSL  :  All components of this product are on the Canadian DSL.
AUSTR  :  On the inventory, or in compliance with the inventory
ENCS  :  Not in compliance with the inventory
KECI  :  On the inventory, or in compliance with the inventory
PICCS  :  On the inventory, or in compliance with the inventory
IECSC  :  On the inventory, or in compliance with the inventory

Inventories
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)
### SECTION 16. OTHER INFORMATION

**Further information**  
Revision Date: 05/23/2015

<table>
<thead>
<tr>
<th>NFPA:</th>
<th>HMIS III:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health: Flammability</td>
<td>HEALTH</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Instability</td>
<td>Special hazard.</td>
</tr>
</tbody>
</table>

**NFPA Flammable and Combustible Liquids Classification**  
Combustible Liquid Class IIIB

**Full text of H-Statements referred to under sections 2 and 3.**

- **H304** May be fatal if swallowed and enters airways.
- **H315** Causes skin irritation.
- **H318** Causes serious eye damage.
- **H319** Causes serious eye irritation.
- **H361** Suspected of damaging fertility or the unborn child.
- **H400** Very toxic to aquatic life.
- **H410** Very toxic to aquatic life with long lasting effects.

**Sources of key data used to compile the Safety Data Sheet**
Ashland internal data including own and sponsored test reports  
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

**List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:**  
ACGIH : American Conference of Industrial Hygienists  
BEI : Biological Exposure Index  
CAS : Chemical Abstracts Service (Division of the American Chemical Society).