
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade name : PARTS Master® +4
AUTOMATIC TRANSMISSION FLUID

Recommended use of the chemical and restrictions on use
Use of the Substance/Mixture : Engine, gear & lubricating oil.

Details of the supplier of the safety data sheet
Ashland
P.O. Box 2219
Columbus, OH  43216
United States of America

EHS Customer Requests@ashland.com

Emergency telephone number
1-800-ASHLAND (1-800-274-5263)

Regulatory Information Number
1-800-325-3751

Product Information
614-790-3333

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Skin sensitization : Category 1

GHS Label element
Hazard pictograms :

Signal Word : Warning

Hazard Statements : May cause an allergic skin reaction.

Precautionary Statements : If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

Prevention:
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
Response:
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

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>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>Not a hazardous substance or mixture.</td>
<td>59.33</td>
</tr>
<tr>
<td>HEAVY PARAFFINIC DISTILLATE</td>
<td>64742-54-7</td>
<td>Asp. Tox. 1; H304</td>
<td>25.66</td>
</tr>
<tr>
<td>Mineral Oil</td>
<td></td>
<td>Asp. Tox. 1; H304</td>
<td>3.10</td>
</tr>
<tr>
<td>BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS</td>
<td></td>
<td>Eye Irrit. 2A; H319, Skin Sens. 1; H317</td>
<td>0.77</td>
</tr>
<tr>
<td>DODECYL HYDROXYPROPYL SULFIDE</td>
<td>67124-09-8</td>
<td>Skin Sens. 1; H317</td>
<td>0.77</td>
</tr>
<tr>
<td>POLYMER</td>
<td></td>
<td>Skin Sens. 1; H317</td>
<td>0.38</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

General advice
- Move out of dangerous area.
- 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.
- First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- Wash contaminated clothing before re-use.

In case of eye contact
- Flush eyes with water as a precaution.
- Remove contact lenses.
- Protect unharmed eye.
- If eye irritation persists, consult a specialist.

If swallowed
- 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:
  - acne
  - stomach or intestinal upset (nausea, vomiting, diarrhea)
  - irritation (nose, throat, airways)
- May cause an allergic skin reaction.

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
- Aldehydes

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. 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. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. 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. 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>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>REL</td>
<td>5 mg/m3 Mist.</td>
<td>NIOSH/GUIDE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>10 mg/m3 Mist.</td>
<td>NIOSH/GUIDE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL</td>
<td>5 mg/m3 Mist.</td>
<td>OSHA_TRAINS</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

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

Eye protection: Not required under normal conditions of use. Wear splash-
proof safety goggles if material could be misted or splashed into eyes.

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 workplace.
- Discard gloves that show tears, pinholes, or signs of wear.
- Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures: Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: liquid
- **Physical state**: liquid
- **Colour**: red
- **Odour**: No data available
- **Odour Threshold**: No data available
- **pH**: 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**: 0.854 (15.6 °C)
- **Density**: 0.8508 g/cm³ (15.56 °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 : < 10,000 mPa.s Method: Brookfield
Viscosity, kinematic : ca. 34 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

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:
HEAVY PARAFFINIC DISTILLATE:
Acute oral toxicity : LD 50 (Rat): > 15 g/kg
Acute dermal toxicity : LD 50 (Rabbit): > 5 g/kg

DODECYL HYDROXYPROPYL SULFIDE:
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
GLP: yes
Acute dermal toxicity : LD50 (Rabbit): > 2,000 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:
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to skin

HEAVY PARAFFINIC DISTILLATE:
Result: Mildly irritating to skin

BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS:
Result: Possibly irritating to skin

DODECYL HYDROXYPROPYL SULFIDE:
Species: Rabbit
Result: Not irritating to skin

POLYMER:
Result: Not irritating to skin

Serious eye damage/eye irritation
Not classified based on available information.

Product:
Result: Slightly irritating to eyes
Remarks: Expected based on components.

Remarks: Unlikely to cause eye irritation or injury.

Components:
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to eyes

HEAVY PARAFFINIC DISTILLATE:
Result: Not irritating to eyes

BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS:
Result: Irritating to eyes
DODECYL HYDROXYPROPYL SULFIDE:
Species: Rabbit
Result: Not irritating to eyes

POLYMER:
Result: Not irritating to eyes

**Respiratory or skin sensitisation**
Skin sensitisation: May cause an allergic skin reaction.
Respiratory sensitisation: Not classified based on available information.

**Components:**
- BENZENE, POLYPROPENE DERIVATIVES, SULFONATED, CALCIUM SALTS:
  Assessment: May cause sensitization by skin contact.

DODECYL HYDROXYPROPYL SULFIDE:
Assessment: May cause sensitization by skin contact.
Result: May cause sensitization by skin contact.

POLYMER:
Assessment: May cause sensitization by skin contact.

**Germ cell mutagenicity**
Not classified based on available information.

**Carcinogenicity**
Not classified based on available information.

**Reproductive toxicity**
Not classified based on available information.

**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.

**Components:**
- HEAVY PARAFFINIC DISTILLATE:
  May be fatal if swallowed and enters airways.

Mineral Oil:
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.
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
HEAVY PARAFFINIC DISTILLATE:
Toxicity to fish : LL50 (Fish): > 100 mg/l
Toxicity to daphnia and other aquatic invertebrates : EL50 (Aquatic invertebrates): > 10,000 mg/l
Toxicity to algae : EL50 (Algae, algal mat (Algae)): > 100 mg/l
Toxicity to fish (Chronic toxicity) : NOEC (Fish): 10 mg/l
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Aquatic invertebrates): 10 mg/l

DODECYL HYDROXYPROPYL SULFIDE:
Toxicity to fish : LC 50 (Oncorhynchus mykiss (rainbow trout)): 0.75 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC 50 (Daphnia magna (Water flea)): 0.5 mg/l
Exposure time: 21 d
End point: see user defined free text
Test Type: see user defined free text
Method: OECD Test Guideline 211
GLP: yes

Persistence and degradability
No data available

Bioaccumulative potential
No data available

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**

<table>
<thead>
<tr>
<th>REGULATION</th>
<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>
<td></td>
<td></td>
<td></td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td><strong>U.S. DOT - RAIL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td><strong>U.S. DOT - INLAND WATERWAYS</strong></td>
<td></td>
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<td></td>
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<td>Not dangerous goods</td>
</tr>
<tr>
<td><strong>TRANSPORT CANADA - ROAD</strong></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td><strong>TRANSPORT CANADA - RAIL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not dangerous goods</td>
</tr>
</tbody>
</table>
### 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*

<table>
<thead>
<tr>
<th>Marine pollutant</th>
<th>no</th>
</tr>
</thead>
</table>

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

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

**SARA 313 Component(s)**: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Pennsylvania Right To Know**

<table>
<thead>
<tr>
<th>Hazard</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>50.00 - 70.00 %</td>
</tr>
<tr>
<td>HEAVY PARAFFINIC DISTILLATE</td>
<td>64742-54-7</td>
<td>20.00 - 30.00 %</td>
</tr>
<tr>
<td>POLYMER</td>
<td>Not Assigned</td>
<td>5.00 - 10.00 %</td>
</tr>
<tr>
<td>LUBRICANT ADDITIVE</td>
<td>Not Assigned</td>
<td>1.00 - 5.00 %</td>
</tr>
</tbody>
</table>
### New Jersey Right To Know

<table>
<thead>
<tr>
<th>Component</th>
<th>Identity Number</th>
<th>Percentage Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>50.00 - 70.00 %</td>
</tr>
<tr>
<td>HEAVY PARAFFINIC DISTILLATE</td>
<td>64742-54-7</td>
<td>20.00 - 30.00 %</td>
</tr>
<tr>
<td>POLYMER</td>
<td>Not Assigned</td>
<td>5.00 - 10.00 %</td>
</tr>
<tr>
<td>LUBRICANT ADDITIVE</td>
<td>Not Assigned</td>
<td>1.00 - 5.00 %</td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>Not Assigned</td>
<td>1.00 - 5.00 %</td>
</tr>
</tbody>
</table>

### 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:

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>On TSCA Inventory</td>
</tr>
<tr>
<td>DSL</td>
<td>All components of this product are on the Canadian DSL.</td>
</tr>
<tr>
<td>AUSTR</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>NZIOC</td>
<td>Not in compliance with the inventory</td>
</tr>
<tr>
<td>ENCS</td>
<td>Not in compliance with the inventory</td>
</tr>
<tr>
<td>KECL</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>PICCS</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>IECSC</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
</tbody>
</table>

### Inventories

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

Further information
Revision Date: 06/08/2015

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS III:</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Flammability Diagram" /></td>
<td><img src="image" alt="Health Diagram" /></td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td><strong>Flammability</strong></td>
</tr>
<tr>
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<td>1</td>
</tr>
<tr>
<td>Special hazard.</td>
<td>HEALTH</td>
</tr>
<tr>
<td>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic</td>
<td></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.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Further information

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