Material Safety Data Sheet

**Section 1 - Chemical Product and Company Identification**

Product Numbers: 4063/48 (1211 qt); 06308 (5 gallon); 06309 (16 gallon); 06310 (55 gallon); 06319 (bulk)
Manufacturer's Part Number: 3-02-100CO, 3-02-101CO
Chemical Name: NA
Product Use: Automatic Transmission Fluid
Manufacturer Information
Quaker State Corporation
225 E. John Carpenter Freeway
Irving, Texas 75062

General Comments
CHEMTREC Emergency telephone number is to be used in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to customer service.

**Section 2 - Composition / Information on Ingredients**

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-65-0</td>
<td>Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic</td>
<td>0-88</td>
</tr>
<tr>
<td>64742-56-9</td>
<td>Petroleum Distillates, Solvent Dewaxed Light Paraffinic</td>
<td>0-88</td>
</tr>
<tr>
<td>64742-55-8</td>
<td>Petroleum Distillates, Hydrotreated Light Paraffinic</td>
<td>0-88</td>
</tr>
<tr>
<td>64742-54-7</td>
<td>Petroleum Distillates, Hydrotreated Heavy Paraffinic</td>
<td>0-88</td>
</tr>
<tr>
<td>64741-97-5</td>
<td>Distillates (petroleum), Solvent Refined Light Naphthenic</td>
<td>0-88</td>
</tr>
<tr>
<td>Not Available</td>
<td>Lube Oil Additive with Borated Polybutyl Succin Anhydride Nitrogen Functionalized Dispersant, Substituted Alkyl Phosphite, Methacrylate Copolymer and Solvent Extracted Mineral Oil</td>
<td>0-12</td>
</tr>
<tr>
<td>Net Available</td>
<td>Methacrylate Polymer</td>
<td>0-4</td>
</tr>
<tr>
<td>64742-88-7</td>
<td>Solvent Naphtha (petroleum), Medium Aliphatic</td>
<td>0-4</td>
</tr>
<tr>
<td>84605-20-9</td>
<td>Aminics, Polyethylenepoly-, Reaction Products With Succinic Anhydride Polyisobutyl Derivitives</td>
<td>0-4</td>
</tr>
</tbody>
</table>

**Information on Non-Hazardous Components**
This product has been reviewed using the criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard). Exact composition of this product may vary with availability of materials. All ingredients listed above may not always be included in final product. All mineral oils used in this product have been severely hydrotreated and/or solvent refined.

**Section 3 - Hazards Identification**

Emergency Overview
Product is a non-flammable red petroleum distillate mixture. Hazardous combustion products may include carbon monoxide, carbon dioxide, and oxides of boron and phosphorus. Containers of this material may be hazardous when emptied due to remaining residues. Observe all hazard precautions.

Hazard Statements
No information is available.

Potential Health Effects: Eyes
This product may cause irritation to the eyes.

Potential Health Effects: Skin
This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation / dermatitis. Prolonged or repeated contact may result in allergic skin sensitization reactions.

Potential Health Effects: Ingestion
No significant adverse effects are expected upon ingestion of the product. Product can cause irritation, vomiting, diarrhea, blindness and death if swallowed. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death.
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Material Name: Quaker State Dexron(R) III/Mercon(R) Automatic Transmission Fluid
ID: QS-040

Potential Health Effects: Inhalation
Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. Inhalation of oil mists or fumes can cause irritation of the nose, throat and upper respiratory tract. Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: goggles and gloves
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

** * * Section 4 - First Aid Measures * * *

First Aid: Eyes
Flush eyes with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.

First Aid: Skin
Wash affected area with mild soap and water. Immediately take off all contaminated clothing. Get medical attention if skin disorder develops.

First Aid: Ingestion
If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation
If affected, remove individual to fresh air. If the affected person is not breathing, apply artificial respiration. If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air.

First Aid: Notes to Physician
Pulmonary aspiration hazard if swallowed; treat symptomatically.

** * * Section 5 - Fire Fighting Measures * * *

Flash Point: 350 F (177 deg C)
Upper Flammable Limit (UFL): Not available
Auto Ignition: Not available
Rate of Burning: Not available

General Fire Hazards
KEEP AWAY FROM ALL SOURCES OF IGNITION. This is a semi-solid material which will burn with a slow smoldering flame. Toxic fumes, gases or vapors may evolve on burning. The liquid is volatile and gives off invisible vapors. Either the liquid or vapor may be heavier than air and settle in low areas or travel along the ground to an ignition source where they may ignite or explode. Container may rupture on heating.

Hazardous Combustion Products
Carbon dioxide, carbon monoxide, and oxides of boron and phosphorus.

Extinguishing Media
Use any media suitable for fire excluding water. Regular foam, carbon dioxide, or dry chemical are preferred.

Fire Fighting Equipment/Instructions
Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires. Water or foam may cause frothing, which can be violent.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other:
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

** * * Section 6 - Accidental Release Measures * * *

Containment Procedures
Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Clean-Up Procedures
For small spills, absorb liquid on vermiculite or other absorbent. For large spills stop spill at the source. Pump or vacuum transfer spilled product to clean containers for recovery, recycle and/or reuse. Use personal protective equipment. Ventilate spill area. Prevent entry into sewers and waterways.

Evacuation Procedures
Isolate area. Keep unnecessary personnel away.
Material Safety Data Sheet

Material Name: Quaker State Dexron(R) III/Mercon(R) Automatic Transmission Fluid

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Special Procedures
Eliminate all ignition sources including flares, flames and electrical sparks.

*** Section 7 - Handling and Storage ***

Handling Procedures
Keep away from potential sources of ignition. Open container in a well ventilated area. Avoid breathing vapors. Use a NIOSH-approved respirator if exposed to oil mist, and adequate ventilation is not available. Wash thoroughly after handling.

Storage Procedures
Eliminate all sources of ignition. Keep this material in a cool, well-ventilated place.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines
A: General Product Information
If oil mists are generated, observe the OSHA exposure limit of 5 mg/m3. Attempts should be made to eliminate all contact with skin and eyes, and to limit inhalation exposure.

B: Component Exposure Limits
No information is available.

Engineering Controls
Use in a well-ventilated area. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/face
Wear chemical goggles or faceshield if splash or mist occurs.

Personal Protective Equipment: Skin
Wear resistant gloves such as neoprene or nitrile.

Personal Protective Equipment: Respiratory
Under normal conditions, respirator is not normally required. If workplace exposure limit is exceeded use NIOSH-approved disposable dust/mist mask breathing apparatus for entry into confined space in the absence of proper environmental control.

Personal Protective Equipment: General
To prevent repeated or prolonged skin contact wear impervious clothing and boots. Launder contaminated clothing before reuse.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Red
Physical State: Liquid
Vapor Pressure: Not available
Boiling Point: Not available
Solubility (H2O): Not determined
Freezing Point: Not available
Odor: Not available
pH: Not available
Vapor Density: Not available
Melting Point: Not available
Specific Gravity: 0.86-0.88
Viscosity: 37.6 cSt @ 40 C; 6.80 cSt @ 100 C

Physical Properties: Additional Information
None Pour Point: -45 F; -43 C

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability
Stable under normal conditions.

Chemical Stability: Conditions to Avoid
Avoid excessive heat and all sources of ignition.

Incompatibility
Strong oxidizing agents (peroxides, chlorine, strong acids).
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Material Name: Quaker State Dexron(R) III/Mercon(R) Automatic Transmission Fluid

Hazardous Decomposition
Carbon dioxide, carbon monoxide, smoke, aldehydes, various oxides including boron and phosphorus, and other hydrocarbons.

Hazardous Polymerization
Will not occur.

### Section 11 - Toxicological Information

**Acute Toxicity**
A: General Product Information
No data available for product as a whole.

B: Component LD<sub>50</sub>/LC<sub>50
Petroleum Distillates, Hydrotreated Heavy Paraffinic (64742-54-7)
RTECS: PY035500
Oral LD<sub>50</sub> Rat: >15 gm/kg
Dermal LD<sub>50</sub> Rabbit: >5 gm/kg
RTECS: PY035501
Oral LD<sub>50</sub> Rat: >15 gm/kg
Dermal LD<sub>50</sub> Rabbit: >5 gm/kg

**Carcinogenicity**
A: General Product Information
No data available for product as a whole.

B: Component Carcinogenicity
None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

**Epidemiology**
No data available for product as a whole.

**Neurotoxicity**
No data available for product as a whole.

**Mutagenicity**
No data available for product as a whole.

**Teratogenicity**
No data available for product as a whole.

**Other Toxicological Information**
No other information available.

### Section 12 - Ecological Information

**Ecotoxicity**
No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

**Environmental Fate**
No information is available.

### Section 13 - Disposal Considerations

**US EPA Waste Number & Descriptions**
A: General Product Information
As shipped, not regulated as a hazardous waste.

B: Component Waste Numbers
No information is available.

**Disposal Instructions**
Dispose of in accordance with all applicable Federal, State or provincial, and local regulations.
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Material Name: Quaker State Dexron(R) II/Mercon(R) Automatic Transmission Fluid

**Section 14 - Transportation Information**

US DOT Information
- Shipping Name: Not classified as hazardous
- Hazard Class: Not classified
- UN/NA #: Not classified
- Packing Group: Not classified
- Required Label(s): 
- Additional Info:

International Transportation Regulations
- Not regulated as a dangerous good.

**Section 15 - Regulatory Information**

US Federal Regulations
A: General Product Information
All components of this product are listed on the U.S. EPA TSCA Inventory.

B: Component Analysis
None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations
A: General Product Information
This product contains the following chemicals known to the state of California to cause cancer and/or birth defects: <1 ppm cadmium (7440-43-9), <1 ppm lead (7439-92-1), <1 ppm arsenic (7440-38-2), <1 ppm benzene (71-43-2)

B: Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>CA</th>
<th>FL</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
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<tbody>
<tr>
<td>Distillates (petroleum), Solvent Refined Light Naphthenic</td>
<td>64741-97-5</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Petroleum Distillates, Hydrotreated Light Paraffinic</td>
<td>64742-55-8</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Petroleum Distillates, Solvent Dewaxed Light Paraffinic</td>
<td>64742-56-9</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

Other Regulations
A: General Product Information
This product contains a controlled product under the Canadian Controlled Product Ingredient Disclosure List.

B: Component Inventory Status

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>DSL</th>
<th>EINECS</th>
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<td>Yes</td>
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<td>Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic</td>
<td>64742-65-0</td>
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<td>Yes</td>
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<td>Yes</td>
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<td>64742-88-7</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

C: Component Information (Canada)
No components are listed in the WHMIS IDL
Material Safety Data Sheet

Material Name: Quaker State Dexron(R) III/Mercon(R) Automatic Transmission Fluid

* * * Section 16 - Other Information * * *

Other Information
This information is, to the best of Quaker State Corporation's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Preparation Information: last revision 03/14/1997

Key/Legend
NA = Not Applicable; ND = Not Determined; Y = Yes; N = No

Contact Person: Vince Bernard, Corporate Safety Director
Contact Phone: (800) 562-5928

This is the end of MSDS #QS-040