1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SPECTRA XTREME 15W40 CJ-4, MM
Product Code: J109
Recommended use: Lubricant
Chemical nature: Hydrocarbons Mixture
Emergency Telephone Number: CHEMTREC® 800-424-9300
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

2. HAZARD IDENTIFICATION

Color: Dark green
Physical state: liquid
Odor: Fish

GHS Classification
Physical Hazards: None
Health Hazard: Serious Eye Damage/Eye Irritation - Category 2B
Other hazards: None

Labeling
Signal Word: WARNING

Hazard statements
H320 - Causes eye irritation

Precautionary Statements
P264 - Wash face, hands and any exposed skin thoroughly after handling
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists, get medical attention.

10 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>64742-54-7</td>
<td>60-100</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>64742-65-0</td>
<td>3-7</td>
</tr>
<tr>
<td>Ethylene-Propylene polymer</td>
<td>9010-79-1</td>
<td>1-5</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined light paraffinic (&lt;3% DMSO extractable)</td>
<td>64741-89-5</td>
<td>1-5</td>
</tr>
<tr>
<td>Magnesium long chain alkaryl sulphonate</td>
<td>252312-98-4</td>
<td>1-5</td>
</tr>
<tr>
<td>Long Chain Alkaryl Amine</td>
<td>36878-20-3</td>
<td>1-5</td>
</tr>
<tr>
<td>Polybutene</td>
<td>9003-29-6</td>
<td>1-5</td>
</tr>
<tr>
<td>Polyolefin amide alkeneamine borate</td>
<td>84605-20-9</td>
<td>1-5</td>
</tr>
<tr>
<td>Phosphorodithionic acid, mixed O, O-bis(sec-Bu and isoocyt) esters, zinc salts</td>
<td>113706-15-3</td>
<td>1-5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General advice: Avoid contact with skin, eyes and clothing.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
5. FIRE-FIGHTING MEASURES

Flash Point: > 400 °F / > 204 °C  
Method: ASTM D-92  
Flammability Limits in Air: %: Not applicable.  
Upper: No data available  
Lower: No data available  
Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Specific hazards arising from the chemical: Material can create slippery conditions.  
Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.  
NFPA Health 1  
Flammability 1  
Instability 0  
HMIS Health 1  
Flammability 1  
Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.  
Environmental Precautions: Do not flush into surface water or sanitary sewer system.  
Methods for Containment: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Methods for Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Not applicable.  
Neutralizing Agent: Not applicable.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing.  
Storage: Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.  
Storage Temperature: Minimum: 0 °F / -18 °C  
Maximum: 120 °F / 49 °C  
Storage Conditions: Indoor: X  
Outdoor: X  
Heated:  
Refrigerated: X

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:  
Component: Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)  
ACGIH TLV: TWA: 5 mg/m³  
STEL: 10 mg/m³  
OSHA PEL: TWA: 5 mg/m³  
NIOSH: No data available  
Component: Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)  
ACGIH TLV: TWA: 5 mg/m³  
STEL: 10 mg/m³  
OSHA PEL: TWA: 5 mg/m³  
NIOSH: No data available  
Component: Petroleum distillates, solvent-refined light paraffinic (<3% DMSO extractable)  
ACGIH TLV: TWA: 5 mg/m³  
STEL: 10 mg/m³  
OSHA PEL: TWA: 5 mg/m³  
NIOSH: No data available  
Component: Polybutene  
ACGIH TLV: 5 mg/m³ as oil mist  
OSHA PEL: 10 mg/m³ as oil mist  
NIOSH: No data available  
Engineering Measures: Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
Personal Protective Equipment:  
Eye/Face Protection: Safety glasses with side-shields.  
Skin Protection: For prolonged or repeated contact, use protective gloves with appropriate chemical resistance. In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Respiratory Protection: General Hygiene Considerations: Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid  
Viscosity: Semi-viscous  
Color: Dark green  
Odor: Fish  
Appearance: Transparent  
Specific Gravity: 0.859  
Percent Volatile (Volume): 0  
VOC Content (%): 0.9  
VOC Content (g/L): 0
Vapor Pressure: <0.1 mmHg @ 70°F
Vapor Density: 4.7 (Air = 1.0)
Solubility: Negligible
n-Octanol/Water Partition: No data available
Decomposition Temperature: No data available
Flammability (solid, gas): Method: ASTM D-92
Flammable Limits in Air %: Upper: No data available Lower: No data available
Autoignition Temperature: No information available.
Decomposition Temperature: No data available
Hazardous Decomposition Products: Carbon oxides.
Poisoning of Hazardous Reactions: None under normal processing.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable. Hazardous polymerization does not occur.
Conditions to Avoid: None known.
Incompatible Products: Strong oxidizing agents.
Decomposition Temperature: No data available
Hazardous Decomposition Products: Carbon oxides.
Possibility of Hazardous Reactions: None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information: No information available.
The following values are calculated based on chapter 3.1 of the GHS document:
Oral LD50: No information available
Dermal LD50: No information available
Inhalation LC50: Gas No information available
Mist No information available
Vapor No information available

Component Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
<th>Draize Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rabbit)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>&gt;5000 mg/kg (rat)</td>
<td>&gt;5000 mg/kg (rabbit)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined light paraffinic (&lt;3% DMSO extractable)</td>
<td>&gt; 5000 mg/kg ( Rat )</td>
<td>&gt; 5 g/kg ( Rabbit )</td>
<td>= 2.18 mg/L ( Rat ) 4 h</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Long Chain Alkaryl Amine</td>
<td>&gt; 5000 mg/kg ( Rat )</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybutene</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>Heart, liver, kidney, lung</td>
</tr>
</tbody>
</table>

Carcinogenicity: Contains no ingredient listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Product Information: No information available.
Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Crustacea</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>No information available.</td>
<td>LC50 &gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>No information available</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
<td>N/A</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>No information available.</td>
<td>LC50 &gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>No information available</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
<td>N/A</td>
</tr>
</tbody>
</table>
### 13. DISPOSAL CONSIDERATIONS

**Product Disposal**
Dispose of in accordance with local regulations.

**Container Disposal**
Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT**
Not regulated

**TDG**
Not regulated

**ICAO**
Not regulated

**IATA**
Not regulated

**IMDG/IMO**
Not regulated

### 15. REGULATORY INFORMATION

**Inventories**

- **TSCA**
  - Complies
- **DSL**
  - Complies

**U.S. Federal Regulations**

- **SARA 313**
  - Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphorodithiotic acid, mixed O, O-bis(sec-Bu and isoocetyl) esters, zinc salts</td>
<td>113706-15-3</td>
<td>1-5</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazardous Categorization**

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>Chronic Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure Hazard</th>
<th>Reactive Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**CERCLA**

### 16. OTHER INFORMATION

**Prepared By**
Muneerah Travis

**Supercedes Date**
10/25/2013

**Issuing Date**
06/19/2015

**Reason for Revision**
No information available.

**Glossary**
No information available.

**List of References**
No information available.

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