1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SOLUDIZE 5W20, 2 X 2.5 GL, US NC
Product Code: 0582
Recommended Use: Lubricant
Chemical Nature: Petroleum distillates
Chemical Nature: Petroleum distillates

Emergency Telephone Number:
CHEMTREC® 800-424-9300
BOX 152170
IRVING, TX 75015

2. HAZARDS IDENTIFICATION

Emergency Overview
CAUTION
May cause skin irritation
May cause eye irritation

Color: Light yellow - Yellow
Physical State: Liquid
Odor: Petroleum distillates

Potential Health Effects

Principle Route of Exposure
Skin contact, Eye contact.

Primary Routes of Entry
None known.

Acute Effects

Eyes
May cause eye irritation.

Skin
May cause skin irritation.

Inhalation
May cause irritation of respiratory tract.

Ingestion
May cause irritation of the mucous membranes.

Chronic Effects
Lung edema. Prolonged skin contact may defat the skin and produce dermatitis.

Target Organ Effects
None known.

Aggravated Medical Conditions
Skin disorders. Respiratory disorders.

Potential Environmental Effects
See Section 12 for additional Ecological information

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>64741-88-4</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined light paraffinic (&lt;3% DMSO extractable)</td>
<td>64741-89-5</td>
</tr>
<tr>
<td>Mineral oil</td>
<td>8012-05-1</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.

Ingestion
Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention if symptoms occur.

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point
425°F / 218°C

Autoignition Temperature
No information available

Flammability Limits in Air
No information available

Suitable Extinguishing Media

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, MSHA/NIOSH (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. Material can create slippery conditions. Prevent further leakage or spillage if safe to do so.

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
Pick up and transfer to properly labelled containers.

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 35°F / 2°C
Maximum 120°F / 49°C

Storage Conditions
Indoor X Outdoor Heated Refrigerated
## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>TWA: 5 mg/m³, STEL: 10 mg/m³</td>
<td>TWA: 5 mg/m³</td>
<td>IDLH: 2500 mg/m³, STEL: 10 mg/m³, TWA: 5 mg/m³</td>
</tr>
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<td>TWA: 5 mg/m³</td>
<td>IDLH: 2500 mg/m³, STEL: 10 mg/m³, TWA: 5 mg/m³</td>
</tr>
</tbody>
</table>

### Engineering Measures
- Ensure adequate ventilation.

### Personal Protective Equipment
- **Eye/Face Protection**: Safety glasses with side-shields.
- **Skin Protection**: None under normal processing.
- **Respiratory Protection**: None under normal processing.

### General Hygiene Considerations
- Ensure that eyewash stations and safety showers are close to the workstation location. Wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Light yellow - Yellow</td>
</tr>
<tr>
<td>Appearance</td>
<td>Transparent</td>
</tr>
<tr>
<td>Odor</td>
<td>Petroleum distillates</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Slightly Viscous</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Percent Volatile (Volume)</td>
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</tr>
<tr>
<td>Vapor Pressure</td>
<td>0 mmHg @ 70 °F</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>600°F / 316°C</td>
</tr>
</tbody>
</table>

## 10. STABILITY AND REACTIVITY

### Chemical Stability
- Stable. Hazardous polymerization does not occur.

### Conditions to Avoid
- Heat, flames, and sparks.
- Strong oxidizing agents.

### Incompatible Products
- Carbon oxides. Aldehydes. Smoke.

### Hazardous Decomposition Products
- None under normal processing.

### Possibility of Hazardous Reactions
- None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Product Information
- No information available

#### Component Information

##### Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
<th>Draize Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>5000 mg/kg ( Rat )</td>
<td>2000 mg/kg ( Rabbit )</td>
<td>2.18 mg/L ( Rat ) 4 h</td>
<td>no data available</td>
<td>no data available</td>
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</tr>
<tr>
<td>Mineral oil</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

##### Chronic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
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</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic (&lt;3% DMSO extractable)</td>
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<td>no data available</td>
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<tr>
<td>Mineral oil</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>skin, respiratory system, eyes</td>
</tr>
</tbody>
</table>

##### Carcinogenicity
- There are no known carcinogenic chemicals in this product

#### Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
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<tr>
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</tr>
</tbody>
</table>

## 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>Water Flea</th>
<th>log Pow</th>
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</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic (&lt;3% DMSO extractable)</td>
<td>no data available</td>
<td>LC50&gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>no data available</td>
<td>EC50 &gt; 1000 mg/L 48 h</td>
<td>N/A</td>
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<tr>
<td>Petroleum distillates, solvent-refined light paraffinic (&lt;3% DMSO extractable)</td>
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<td>no data available</td>
</tr>
</tbody>
</table>

### Persistence and Degradability
- No information available
13. DISPOSAL CONSIDERATIONS

Product Disposal
Dispose of as hazardous waste in compliance with local and national regulations

Container Disposal
No information available

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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard
Yes

Chronic Health Hazard
No

Fire Hazard
No

Sudden Release of Pressure Hazard
No

Reactive Hazard
No

CERCLA

Component
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)

Hazardous Substances RQs
Not applicable

CERCLA EHS RQs
Not applicable

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
D2B Toxic materials.

16. OTHER INFORMATION

Prepared By
Dan Hollas

Supersedes Date
10/14/2004

Issuing Date
06/23/2008

Reason for Revision
No information available

Glossary
No information available

List of References
No information available

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