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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product Name: SL Synthetic Bld 5w20 SN
Product Code: SI52SBT3 (SINCLAIR CODE: 833-002)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Motor Oil
Recommended restrictions: Not applicable

1.3. Details of the supplier of the safety data sheet
Manufacturer: Warren Distribution, Inc.
727 S. 13th Street
Omaha, NE 68102
Information Phone: +01 (800) 825-1235 +01 (402) 341-9397
E-mail: sds@wd-wpp.com

1.4. Emergency telephone number
Emergency phone number: CHEMTREC: +1 (800) 424-9300
International: +01 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Not classified under GHS

2.2. Label elements

2.3. Other hazards
Harms not otherwise classified: Avoid prolonged or repeated contact with used motor oil. Used motor oil has been shown to cause skin cancer in laboratory animals.

Unknown acute toxicity (GHS-US)

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS #</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>30 - 60</td>
<td>64742-54-7</td>
<td>Aquatic Acute 1; H400</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>10 - 30</td>
<td>64742-65-0</td>
<td>Aquatic Chronic 1; H410</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>7 - 13</td>
<td>72623-87-1</td>
<td>Aquatic Chronic 2; H411</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>0.5 - 1.5</td>
<td>68649-42-3</td>
<td>Acute Tox. 3; H331</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>0.1 - 1</td>
<td></td>
<td>Acute Tox. 4; H332</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>0.01 - 0.1</td>
<td></td>
<td>Acute Tox. 4; H302</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>0.001 - 0.01</td>
<td></td>
<td>Acute Tox. 3; H331</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td></td>
<td></td>
<td>Eye Dam. 1; H318</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
</tr>
</tbody>
</table>

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Eyes: Use eye wash to remove a chemical from the eye. Flush the affected eye for at least fifteen minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical treatment.
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SECTION 4: First aid measures

Skin Contact
Wash with soap and water. Get medical attention if irritation develops or persists. Seek medical advice if symptoms persist.

Ingestion
Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms
Not determined

4.3. Indication of any immediate medical attention and special treatment needed
Note to Doctor
Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable and Unsuitable Extinguishing Media:
Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

5.2. Special hazards arising from the substance or mixture
Fire and/or Explosion Hazards
Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

5.3. Advice for firefighters
Fire Fighting Methods and Protection
Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

Hazardous Combustion Products
Carbon monoxide, Smoke

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General Measures:
No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

6.2. Environmental precautions
Do not flush to sewer.
Avoid runoff into storm sewers and ditches that lead to waterways.
Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up:
Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

6.4. Reference to other sections
Follow all protective equipment recommendations provided in Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Mildly irritating material. Avoid unnecessary exposure.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool dry place. Isolate from incompatible materials.

Incompatible materials
See Section 10.

7.3. Specific end use(s)
Motor Oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Chemical Name
SL Synthetic Bld 5w20 SN

Occupational Exposure Limits

Value
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Occupational Exposure Limits</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil mist, mineral</td>
<td>OSHA PEL</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>OSHA PEL</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>OSHA PEL</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH TLV-TWA</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH TLV-TWA</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>ACGIH TLV-TWA</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH STEL</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH STEL</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>ACGIH STEL</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>None.</td>
<td>IDLH</td>
<td></td>
</tr>
<tr>
<td>None.</td>
<td>OSHA PEL-Skin Notation</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Engineering Measures
Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Respiratory Protection
Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirator Type(s)
None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection
No special requirements under normal industrial use.

Skin Protection
Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves
Neoprene, Nitrile, Polyvinyl chloride, Impervious rubber

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Brown</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Freezing point</td>
<td>-20</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>206</td>
</tr>
<tr>
<td>Flash Point Method</td>
<td>COC</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper Flammable/Explosive Limit, % in air</td>
<td>= 10</td>
</tr>
<tr>
<td>Lower Flammable/Explosive Limit, % in air</td>
<td>= 1</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>&lt;0.20</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.86</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Negligible; 0-1%</td>
</tr>
<tr>
<td>Octanol/Water Partition Coefficient</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoignition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity (°C)</td>
<td>51.33</td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatiles, % by weight</td>
<td>0.000000</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Carbon monoxide, Smoke, Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion Toxicity</td>
<td>No hazard in normal industrial use. Estimated to be &gt; 5.0 g/kg.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.</td>
</tr>
<tr>
<td>Absorption</td>
<td>Likely to be practically non-toxic based on animal data.</td>
</tr>
<tr>
<td>Inhalation Toxicity</td>
<td>No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>This material is estimated to be non-irritating eyes (Draize score &lt;15 [rabbits]). No hazard in normal industrial use.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not expected to cause cancer. This product meets the IP-346 criteria of &lt;3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.</td>
</tr>
<tr>
<td>Reproductive and Developmental Toxicity</td>
<td>No data available to indicate product or any components present at greater than 0.1% may cause birth defects.</td>
</tr>
</tbody>
</table>

11.2. Specific target organ toxicity

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single exposure</td>
<td>Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.</td>
</tr>
<tr>
<td>Repeated exposure</td>
<td>Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration toxicity</td>
<td>Non-hazardous under Aspiration category.</td>
</tr>
<tr>
<td>Other information</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

Agents Classified by IARC Monographs

<table>
<thead>
<tr>
<th>Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC Group 1</td>
</tr>
<tr>
<td>IARC Group 2A</td>
</tr>
<tr>
<td>IARC Group 2B</td>
</tr>
</tbody>
</table>

National Toxicity Program (NTP) Status

<table>
<thead>
<tr>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Known Human Carcinogen</td>
</tr>
<tr>
<td>Reasonably Anticipated To Be A Human Carcinogen</td>
</tr>
</tbody>
</table>

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SECTION 12: Ecological information

12.1. Toxicity
Acute Aquatic ecotoxicity: Non-hazardous under Aquatic Acute Environment category.
Chronic Aquatic ecotoxicity: Non-hazardous under Aquatic Chronic Environment category.

12.2. Persistence and degradability
Biodegrades slowly.

12.3. Bioaccumulative potential
Bioconcentration may occur.

12.4. Mobility in soil
This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
Not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal Methods
Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

Waste Disposal Code(s)

Waste Description for Spent Product
Spent or discarded material is non-hazardous according to environmental regulations.

Contaminated packaging:
Recycle containers whenever possible.

SECTION 14: Transport information

DOT Basic Description
Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

SECTION 15: Regulatory information

Chemical Inventories
U.S. State Restrictions: Not applicable
WHMIS: Uncontrolled product according to WHMIS classification criteria.

Chemical Name  Regulation  CAS #  %
None.  CERCLA
None.  SARA 313
None.  SARA EHS
None.  TSCA 12b

U.S. State Regulations
Chemical Name  Regulation  CAS #  %
None.  California Prop 65- Cancer
None.  California Prop 65- Dev. Toxicity
None.  California Prop 65- Reprod -fem
None.  California Prop 65- Reprod-male
None.  Massachusetts RTK List
None.  New Jersey RTK List
None.  Pennsylvania RTK List
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Chemical Name: None.

Regulation:
- Rhode Island RTK List
- Minnesota Hazardous Substance List

CAS #: None.

HMIS Ratings:
- Health: 1
- Fire: 1
- Reactivity: 0
- PPE: B

NFPA Ratings:
- Health: 1
- Fire: 1
- Reactivity: 0

KEY: 0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 – Extreme

SECTION 16: Other information

Revision Date: 10/21/2015 12:03:42 PM
Supersedes: None
References:
- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Association
- CFR: Code of Federal Regulations
- DOT: United States Department of Transportation
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- HMIS: Hazardous Materials Identification System
- IARC: International Agency for Research on Cancer
- IATA: International Air Transportation Association
- IDLH: Immediately Dangerous to Life or Health
- IMDG: International Maritime Dangerous Goods
- NFPA: National Fire Protection Association
- NIOSH: National Institute for Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible Exposure Limit
- RTK: Right-to-Know
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short-term Exposure Limit
- TLV: Threshold limit value
- TSCA: Toxic Substances Control Act
- TWA: Time weighted average
- UN: United Nations
- WHMIS: Workplace Hazardous Materials Information System

Disclaimer:

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