Material Safety Data Sheet: LOK-CEASE 20/20

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: LOK-CEASE 20/20
Recommended use: Lubricant
Product Code: 5913
Information on Manufacturer:
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

2. HAZARDS IDENTIFICATION

Emergency Overview
WARNING
Causes eye irritation
May cause skin irritation

Color: White
Physical State: Grease
Odor: Oily

Potential Health Effects
Eye contact, Skin contact.

Primary Routes of Entry
Inhalation

Acute Effects
Eyes
Causes eye irritation.
Skin
May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Inhalation
May cause irritation of respiratory tract.
Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity
Kidney injury may occur. Contains a known or suspected carcinogen.

Target Organ Effects
Respiratory system, Eyes, Skin, Kidney, Central nervous system.

Aggravated Medical Conditions
Respiratory disorders, Skin disorders, Neurological disorders, Kidney 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>White mineral oil, solvent refined</td>
<td>8042-47-5</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</td>
<td>82980-54-9</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>14808-60-7</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General advice
Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

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

Skin Contact
Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation
If inhaled, remove to fresh air. Get medical attention if symptoms occur.

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

Notes to physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point
Does not flash
Autoignition Temperature
No information available.

Flammability Limits in Air %
No information available.

Upper No data available
Lower No data available

Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Dry chemical. Alcohol-resistant 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, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA
Health 1
Flammability 1
Instability 0
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Ensure adequate ventilation. 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
Pick up and transfer to properly labeled containers
Neutralizing Agent
Not applicable.

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage
Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Storage Temperature
Minimum 0 °F / -18 °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>White mineral oil, solvent refined</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
<td>IDLH 2500 mg/m³</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>No data available</td>
<td>TWA: 15 mg/m³ TWA: 5 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 5 mg/m³</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>TWA: 2 mg/m³ STEL: 10 mg/m³</td>
<td>TWA: 5 mg/m³ TWA: 15 mg/m³</td>
<td>IDLH: 500 mg/m³ Ceiling: 15 mg/m³ STEL 10 mg/m³ TWA: 5 mg/m³</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>0.025 mg/m³ TWA (respirable fraction)</td>
<td>No data available</td>
<td>IDLH: 50 mg/m³ TWA: 0.05 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Measures
Ensure adequate ventilation, especially in confined areas.

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.

Respiratory Protection
In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Grease</th>
<th>Viscosity</th>
<th>Semi-Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
<td>Odor</td>
<td>Oily</td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque</td>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.98</td>
<td>Evaporation Rate</td>
<td>0 (Butyl acetate=1)</td>
</tr>
<tr>
<td>Percent Volatile (Volume)</td>
<td>0</td>
<td>VOC Content (%)</td>
<td>0</td>
</tr>
<tr>
<td>VOC Content (g/L)</td>
<td>0</td>
<td>Vapor Pressure</td>
<td>&lt;0.01 mmHg @ 70°F</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>0 (Air = 1.0)</td>
<td>Solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical Stability
Stable. Hazardous polymerization does not occur.

Conditions to Avoid
None known

Incompatible Products
Strong oxidizing agents, Strong acids.

Hazardous Decomposition Products
Carbon oxides, Zinc oxide fumes, Fumes of aluminum.

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>White mineral oil, solvent refined</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>
<tr>
<td>Calcium carbonate</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>
<tr>
<td>Aluminum benzoate fatty acid complex</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>
<tr>
<td>Zinc oxide</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>
<tr>
<td>Crystalline Silica (Quartz)</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>
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</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>
</tr>
</thead>
<tbody>
<tr>
<td>White mineral oil, solvent refined</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>respiratory system</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>respiratory system, skin</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</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>
<tr>
<td>Zinc oxide</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>respiratory system, CNS</td>
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<tr>
<td>Crystalline Silica (Quartz)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>eyes, respiratory system (in animals: lung cancer), kidneys</td>
</tr>
</tbody>
</table>

Carcinogenicity
The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>White mineral oil, solvent refined</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>A2</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
<td>not applicable</td>
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</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>
</tr>
</thead>
<tbody>
<tr>
<td>White mineral oil, solvent refined</td>
<td>no data available</td>
<td>LC50 &gt; 10000 mg/L Lepomis macrochirus 96 h</td>
<td>no data available</td>
<td>no data available</td>
<td>&gt;6</td>
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<tr>
<td>Calcium carbonate</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>N/A</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>N/A</td>
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<tr>
<td>Zinc oxide</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>N/A</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information available.
Bioaccumulation
No information available.
Mobility
No information available.

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>Zinc oxide</td>
<td>1314-13-2</td>
<td>7-13</td>
<td>1.0</td>
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</tbody>
</table>

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th></th>
<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></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

CERCLA

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA EHS RQs</th>
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</thead>
<tbody>
<tr>
<td>White mineral oil, solvent refined</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
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<td>Not applicable</td>
<td>Not applicable</td>
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<tr>
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<td>Not applicable</td>
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</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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
D2A Very toxic materials D2B Toxic materials

16. OTHER INFORMATION

Prepared By          Angela Hutson
Supercedes Date      07/22/2010
Issuing Date         04/30/2013
Reason for Revision  No information available.
Glossary             No information available.
List of References   No information available.

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