1. PRODUCT AND COMPANY

TRADE NAME : CEJN Lubricating Oil
CHEM. NAME :
ART.-no. :
APPLICATION : White oil, pharmacope´ quality

SUPPLIER : Cejn AB
ADDRESS : Box 245
POST ADDRESS : 541 25 Skövde
PHONE : 0500 / 47 75 00
TELEFAX : 0500 / 48 07 16
ISSUED BY : Kenneth Kjellberg
RESPONSIBLE : Kenneth Kjellberg

2. COMPOSITION OF PRODUCT

<table>
<thead>
<tr>
<th>No.</th>
<th>Name:</th>
<th>CAS-no.</th>
<th>Conc.(w%)</th>
<th>Classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White oil, highly refined mineral oil</td>
<td>8042-47-5</td>
<td>100%</td>
<td>IK</td>
</tr>
</tbody>
</table>

Legend: T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, EK = No classification required, E = Explosive, O = Oxidising, Fx = Extremely flammable, F = Very flammable, Fo = Flammable, N = Danger to the environment, Mut = Genotoxic, Sens = Sensitizing, Carc = Carcinogen, Repr = Causes birth defects, H = (Skin absorption)

3. HAZARD IDENTIFICATION

Not classified:

(Health classif.)
(No classified)

(Fire classif.)
(No classified)

4. FIRST AID

INHALATION
Fresh air, rest and keep warm. Rins nose, mouth and throat with wather. Seek medical advice if symptoms persist.

SKIN CONTACT
Take off contaminated clothing. Flush the skin with water. Seek medical advice if symptoms persist.

EYE CONTACT
Rins immediately with water for 10-15 minutes. Keep the eyes open. If symptoms persist: To hospital as soon as possible.

INGESTION
DO NOT induce vomiting. Call a physician.

5. FIRE FIGHTING MEASURES
**5. FIRE FIGHTING MEASURES (cont.)**

**FIRE FIGHTING**
Containers near fire must be moved and/or cooled with water. Fire in closed areas should only be extinguished by personnel trained in fire fighting.

**FIRE AND EXPLOSION HAZARDS**
Combustion forms irritating fumes. Carbon monoxide may be formed in the event of incomplete combustion.

**6. ACCIDENTAL RELEASE MEASURES**

Contain spilled products with sand, earth or other suitable material. Recover with suitable absorbent. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulation. Advise local authorities if product has entered or may enter sewers, watercourses, or has contaminated soil or vegetation. Contact relevant authorities in the event of large spill.

**7. HANDLING AND STORAGE**

**HANDLING**
Handle adequate to avoid waste.

**STORAGE**
No special storage conditions required.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**EXPOSURE CONTROL**
Ensure good ventilation.

**EYE PROTECTION**
Eye protection shall be used when there is a risk of direct contact or splashes.

**HAND PROTECTION**
Protective gloves shall be used when there is a risk of direct contact or splashes.

**SKIN PROTECTION**
Protective clothing should be worn when there is a risk of direct contact or splashes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Transparent</td>
</tr>
<tr>
<td>Odor</td>
<td>Faint oil</td>
</tr>
<tr>
<td>Solubility</td>
<td>Organic solvent</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>-12° C</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>&gt;174° C acc. to ASTM D 92</td>
</tr>
<tr>
<td>Density</td>
<td>850 kg/m³ at 15° C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;174° C acc. to ASTM D 92</td>
</tr>
<tr>
<td>Expl.limit LEL-UEL %:</td>
<td></td>
</tr>
<tr>
<td>pH concentrate</td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>&lt;1 mg/l</td>
</tr>
<tr>
<td>Molekylvikt</td>
<td>350</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

**STABILITY**
Stable with normal handling.

**MATERIALS TO AVOID**
Strong oxidants.

**HAZARDOUS DECOMPOSITION PRODUCTS**
By combustion the following are formed: Carbon dioxide (CO$_2$), carbon monoxide (CO).

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Acute oral tox.</th>
<th>&gt; 5000 mg/kg</th>
<th>LD50 (expected value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute derm. tox</td>
<td>&gt; 5000 mg/kg</td>
<td>LD50 (expected value)</td>
</tr>
<tr>
<td>Acute inh. tox</td>
<td>&gt; 4000 mg/kg</td>
<td>LC50</td>
</tr>
</tbody>
</table>

**GENERAL**
Low order of acute/systemic toxicity. Oil mists may be irritating to eyes, nose, throat and lungs. Prolonged or repeated contact may lead to mild skin irritation.

12. ECOLOGICAL INFORMATION

Highly refined base oil:
Aquatic toxicity data for base oils indicate LC50 values of > 1000 mg/l. Substances may not meet criteria for ready degradability and components have log Pow values > 6, but inference from data for other base oils they do not represent a long-term danger to the aquatic environment.

13. DISPOSAL
To be disposed according to local regulations.

14. TRANSPORT INFORMATION

**GENERAL**
Not classified in IMO or ADR/RID.

15. REGULATORY INFORMATION

Classification:

<table>
<thead>
<tr>
<th>(Health classif.)</th>
<th>(Fire classif.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified</td>
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</tr>
</tbody>
</table>

**COMPOSITION**
White oil, highly refined mineral oil.

16. OTHER INFORMATION
REVISION DATE: 96-12-16
Replaces MSDS of:

16. OTHER INFORMATION (cont.)

INFORMATION SOURCES:
Concawe report no 95/59 Exxon Company International.

VENDOR NOTES
The product comply with FDA regulations 21 CFR 172.878 och CFR 178.3620(a) and meets the purity requirements of many national Pharmacopoeias. (Pharmacopoeia XXIII (1995), European Pharmacopoeia (1993)).

USER NOTES