SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.</td>
<td>Mixture</td>
</tr>
<tr>
<td>Trade Name</td>
<td>AseptiSpray</td>
</tr>
<tr>
<td>Product Code</td>
<td>50079</td>
</tr>
</tbody>
</table>

Relevant identified uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Identified Use(s)</th>
<th>PC24 Lubricants, greases, release products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses Advised Against</td>
<td>None</td>
</tr>
<tr>
<td>Company Identification</td>
<td>Aseptico, Inc. 8333 216th St. S.E. Woodinville, WA 98072 USA</td>
</tr>
<tr>
<td>Telephone</td>
<td>425-487-3157</td>
</tr>
<tr>
<td>Fax</td>
<td>360-668-8722</td>
</tr>
<tr>
<td>E-Mail (competent person)</td>
<td><a href="mailto:gramaley@aseptico.com">gramaley@aseptico.com</a></td>
</tr>
</tbody>
</table>

Emergency telephone number

| Emergency Phone No. | 1-800-424-9300 / 1 (703) 527-3887 |

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Flam. Liq. 2; Repr. 2; STOT SE 3; STOT RE 2; Skin Irrit. 2; Asp. Tox. 1

Label elements

<table>
<thead>
<tr>
<th>Hazard Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANGER</td>
</tr>
</tbody>
</table>

Hazard Statement(s)

Extremely flammable aerosol.
Pressurized Container: may burst if heated
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure: Central nervous system
Causes skin irritation.
May be fatal if swallowed and enters airways.

Precautionary Statement(s)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing spray.
Protect from sunlight and do not expose to temperatures.
AseptiSpray Dental Handpiece Cleaner and Lubricant

exceeding 50 °C/122 °F.
Do not handle until all safety precautions have been read and understood.
Keep out of reach of children.

Other hazards
None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>% wt. *</th>
<th>CAS No.</th>
<th>Hazard classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Hexane</td>
<td>30 - 60</td>
<td>110-54-3</td>
<td>Flam. Liq. 2; H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1; H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Repr. 2; H361</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2; H373</td>
</tr>
<tr>
<td>Hexanes, mixed isomers</td>
<td>5 - 25</td>
<td>various</td>
<td>Flam. Liq. 2; H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1; H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
</tr>
<tr>
<td>Light mineral oil, NF</td>
<td>20 - 50</td>
<td>8042-47-5</td>
<td>Asp. Tox. 1; H304</td>
</tr>
<tr>
<td>Propane</td>
<td>10 - 25</td>
<td>74-98-6</td>
<td>Flam. Gas 1; H220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Press. Gas (*)</td>
</tr>
<tr>
<td>Butane</td>
<td>10 - 25</td>
<td>106-97-8</td>
<td>Flam. Gas 1; H220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Press. Gas (*)</td>
</tr>
</tbody>
</table>

Additional Information - None
* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation
Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact
Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur obtain medical attention.

Ingestion
Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed
Aspiration of droplets may cause pulmonary oedema. May cause reproductive effects in males.

Indication of any immediate medical attention and special treatment needed
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
AseptiSpray Dental Handpiece Cleaner and Lubricant

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media
- Suitable Extinguishing Media
  - Extinguish with carbon dioxide, dry chemical, foam or water spray.
- Unsuitable Extinguishing Media
  - Do not use water jet.

Special hazards arising from the substance or mixture
- Highly flammable vapor (flash point below 23°C).

Advice for fire-fighters
- A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing vapors.

Environmental precautions
- Prevent liquid entering sewers, basements and work pits.

Methods and material for containment and cleaning up
- Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections
- None

Additional Information
- None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Wash hands thoroughly after handling. Use product in a well-ventilated area only.

Conditions for safe storage, including any incompatibilities
- Storage temperature
  - Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.
- Incompatible materials
  - This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use(s)
- Lubricant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>(8hr TWA) PEL (OSHA)</th>
<th>(8hr TWA) TLV (ACGIH)</th>
<th>(STEL) PEL (OSHA)</th>
<th>(STEL) TLV (ACGIH)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>500 ppm</td>
<td>50 ppm*</td>
<td>-----</td>
<td>-----</td>
<td>*Skin</td>
</tr>
<tr>
<td>Light mineral oil, NF30</td>
<td>8042-47-5</td>
<td>5 mg/m3</td>
<td>5 mg/m3**</td>
<td>-----</td>
<td>-----</td>
<td>(I)Inhalable</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>-----</td>
<td>250 ppm</td>
<td>-----</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Aspyx.#</td>
<td>-----</td>
<td>-----</td>
<td>#</td>
</tr>
</tbody>
</table>

*Assure minimum oxygen content of work atmosphere.

Recommended monitoring method
- NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C); NIOSH 5026 (Oil mist; mineral)
AseptiSpray Dental Handpiece Cleaner and Lubricant

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber)

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Liquid

Color.

Colorless

Odor

Petroleum-like

Odor Threshold (ppm)

Not available

pH (Value)

Not available

Melting Point (°C) / Freezing Point (°C)

Not available

Boiling point/boiling range (°C):

Not available

Flash Point (°C)

-104 (Propane)

Evaporation Rate

Not available

Flammability (solid, gas)

Extremely flammable

Explosive Limit Ranges

2.1% - 9.5% v/v (Propane)

Vapor pressure (Pascal)

ca. 95 x 10³ (Propane)

Vapor Density (Air=1)

ca. 1.56 @ 0°C (Propane)

Density (g/ml)

Not available

Solubility (Water)

Not available

Solubility (Other)

Not available

Partition Coefficient (n-Octanol/water)

Not available

Auto Ignition Point (°C)

450 (Propane)

Decomposition Temperature (°C)

Not available

Kinematic Viscosity

<20 cSt

Explosive properties

Not explosive.

Oxidizing properties

Not oxidizing.

Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Stable.

Possibility of hazardous reactions

None anticipated.

Conditions to avoid

Avoid contact with heat and ignition sources.

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AseptiSpray Dental Handpiece Cleaner and Lubricant

Incompatible materials: Strong oxidizing agents
Hazardous decomposition product(s): None known

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures
n-hexane (CAS No. 110-54-3)

Acute toxicity
- Oral: LD50 = 16 g/kg-bw (May be fatal if swallowed and enters airways.)
- Dermal: LD50 > 2 g/kg-bw. rabbit
- Inhalation: LC50 > 17600 mg/m3 (Vapor), 24-hr. rat (May cause drowsiness or dizziness.)

Irritation/Corrosivity
Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization
It is not a skin sensitizer.

Repeated dose toxicity
- LOAEL: 37973 mg/kg (101 days, oral, rat, CNS effects)
- NOAEL: 1135 mg/kg (101 days, oral, rat, CNS effects)
- NOAEC: 1760 mg/m3 (90 day, inhal., female mice, nasal lesions)
- LOAEC: 3000 ppm (12 hr a day for 16 weeks, inhal., rat, CNS effects)

Carcinogenicity (By analogy with similar materials)
- NOEL: 31736 mg/m3 (2 years, inhal. Oncogenic effects)

Mutagenicity
There is no evidence of mutagenic potential.

Reproductive toxicity
Studies in animals have shown that repeated exposures produce adverse reproductive effects.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures
n-hexane (CAS# 110-54-3)

Short term
- LC50 (96 hour): >1000 µg/L (Oryzias latipes)
- LC50 (48 hour): 45 mmol/m3 (Daphnia magna, mortality)
- EC50 (96 hour): 2.66% (C. pyrenoidosa)

Long Term
- NOELR (28 days) 2.8 mg/l (Fish) QSAR
- NOELR (21 days): 4.88 mg/l (Daphnia magna) QSAR
- NOEL (96 hour) 2.077 mg/l (Algae) QSAR

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT
Land transport (ADR/RID)
Sea transport (IMDG)
Air transport (ICAO/IATA)
UN number
1950
1950
1950
1950

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Proper Shipping Name: Aerosols
Transport hazard class(es): 2.1 2.1 2.1 2.1
Packing group: Not applicable Not applicable Not applicable Not applicable
Environmental hazards: None assigned None assigned None assigned None assigned
Special precautions for user: None assigned None assigned None assigned None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

---

**SECTION 15: REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substances Control Act) - Inventory Status: All components listed or polymer exempt.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>RQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Hexane</td>
<td>110-54-3</td>
<td>40</td>
<td>5000</td>
</tr>
</tbody>
</table>

**SARA 311/312 - Hazard Categories:**
- ☑ Fire
- ☑ Sudden Release
- ☑ Reactivity
- ☑ Immediate (acute)
- ☑ Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Hexane</td>
<td>110-54-3</td>
<td>40</td>
</tr>
</tbody>
</table>

**SARA 302 - Extremely Hazardous Substances (40 CFR 355):**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>TPQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

**California Proposition 65 List:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Type of Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

---

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16.
Date of preparation: May 22, 2014

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

**Hazard Statement(s)**
- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapor.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H336: May cause drowsiness or dizziness.
- H361: Suspected of damaging fertility or the unborn child.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H412: Harmful to aquatic life with long lasting effects.

**Training advice:** None.

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