Aseptispray Dental Spray lube

SAFETY DATA SHEET
OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
  Chemical Name: Mixture
  CAS No.: Mixture
  Trade Name: ASEPTISPRAY
  Product Code: A00390Q

Relevant identified uses of the substance or mixture and uses advised against
  Identified Use(s): PC24 Lubricants, greases, release products
  Uses Advised Against: None

Company Identification
  Spray Products Corporation
  P.O. Box 737
  Norristown, PA 19404

Telephone: (610) 277-1010
  Fax: (610) 277-4390
  E-Mail (competent person): johnd@sprayproducts.com

Emergency telephone number
  Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture
  OSHA HCS (29 CFR 1910.1200): Flam. Aerosol 1; Liquefied gas; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Asp. Tox. 1

Label elements
  Hazard Symbol

Signal word(s)
  Extremely flammable aerosol.

Hazard Statement(s)
  Contains gas under pressure; may explode 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.
  Avoid breathing spray.
  Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
  Do not handle until all safety precautions have been read and understood.
  Keep out of reach of children.
Aseptispray Dental Spray lube

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>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>Liquefied gas; H280</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>Liquefied gas; H280</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.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media
-Suitable Extinguishing Media
Extinguish with carbon dioxide, dry chemical, foam or water spray.

-Utensil Extinguishing Media
Do not use water jet.
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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>(STEL) TLV (ACGIH)</th>
<th>(8hr TWA) PEL (OSHA)</th>
<th>(STEL) TLV (ACGIH)</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>
</tr>
<tr>
<td>Light mineral oil, NF 30</td>
<td>8042-47-5</td>
<td>5 mg/m3</td>
<td>5 mg/m3(0)</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>-----</td>
<td>250 ppm</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Aspyx. a</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)

Exposure controls

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

Personal protection equipment

Revision: May 3, 2017
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Petroleum-like</td>
</tr>
<tr>
<td>Odor Threshold (ppm)</td>
<td>Not available</td>
</tr>
<tr>
<td>pH (Value)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point / Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>-104 (Propane)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Extremely flammable</td>
</tr>
<tr>
<td>Explosive Limit Ranges</td>
<td>2.1% - 9.5% v/v (Propane)</td>
</tr>
<tr>
<td>Vapor pressure (Pascal)</td>
<td>ca. 95 x 10^4 (Propane)</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>ca. 1.56 @ 0°C (Propane)</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition Point °C</td>
<td>450 (Propane)</td>
</tr>
<tr>
<td>Decomposition Temperature °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>&lt;20 cSt</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive,</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing,</td>
</tr>
<tr>
<td>Other information</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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.

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)

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

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. pyreniodosa)

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

<table>
<thead>
<tr>
<th>U.S. DOT</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>Proper Shipping Name</td>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>1950</td>
<td>Aerosols</td>
<td>2.1</td>
</tr>
<tr>
<td>1950</td>
<td>Aerosols</td>
<td>2.1</td>
</tr>
<tr>
<td>1950</td>
<td>Aerosols</td>
<td>2.1</td>
</tr>
</tbody>
</table>
Aseptispray Dental Spray lube

Environmental hazards: None assigned
Special precautions for user: None assigned
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance 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: June 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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