

# 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	<b>DENTALAIRE ONCE-A-DAY LUBE</b>
Product Code	A00390P

#### 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)	<a href="mailto:johnd@sprayproducts.com">johnd@sprayproducts.com</a>

#### Emergency telephone number

Emergency Phone No.	<b>Transportation Emergency:</b> 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



**DANGER**

Signal word(s)

Hazard Statement(s)

Extremely flammable aerosol.  
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.

# Dental Spray lube

Other hazards

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
n-Hexane	30 - 60	110-54-3	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Asp. Tox. 1; H304 Repr. 2; H361 STOT SE 3; H336 STOT RE 2; H373
Hexanes, mixed isomers	5 - 25	various	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT SE 3; H336
Light mineral oil, NF	20 - 50	8042-47-5	Asp. Tox. 1; H304
Propane	10 - 25	74-98-6	Flam. Gas 1; H220 Liquefied gas; H280
Butane	10 - 25	106-97-8	Flam. Gas 1, H220 Liquefied gas; H280

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
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.  
Do not use water jet.

# Dental Spray lube

**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**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Hexane	110-54-3	500 ppm	50 ppm*	-----	-----	*Skin
Light mineral oil, NF 30	8042-47-5	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> <sup>(1)</sup>	-----	-----	<sup>(1)</sup> Inhalable
n-Butane	106-97-8	-----	250 ppm	-----	-----	
Propane	74-98-6	1000 ppm	Aspyx. <sup>#</sup>	-----	-----	#

\*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**

# Dental Spray lube

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. $95 \times 10^4$ (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.
<b>Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Avoid contact with heat and ignition sources.
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition product(s)''</b>	None known

# Dental Spray lube

## 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/m<sup>3</sup> (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/m<sup>3</sup> (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/m<sup>3</sup> (2 years, inhal. Oncogenic effects)

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

#### 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/m<sup>3</sup> (*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

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>	1950	1950	1950
<b>Proper Shipping Name</b>	Aerosols	Aerosols	Aerosols
<b>Transport hazard class(es)</b>	2.1	2.1	2.1
<b>Packing group</b>	Not applicable	Not applicable	Not applicable

# Dental Spray lube

Environmental hazards None assigned None assigned None assigned  
Special precautions for user 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 Substance Control Act) - Inventory Status: All components listed or polymer exempt.

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

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
n-Hexane	110-54-3	40	5000

SARA 311/312 - Hazard Categories:

Fire  Sudden Release  Reactivity  Immediate (acute)  Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
n-Hexane	110-54-3	40

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

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

## 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.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.