

SAFETY DATA SHEETS

This SDS packet was issued with item:

078068501

N/A

Quick Identifier (In Plant Common Name): PLP LUBRICANT

MANUFACTURER INFORMATION

MANUFACTURED FOR: Private Label Packaging
 ADDRESS: P.O. Box 737, Norristown, PA 19404
 EMERGENCY TELEPHONE NUMBER: Chemtree 1-800- 424-9300
 GENERAL INFORMATION TELEPHONE NUMBER: 1-610-277-1010
DATE PREPARED: March 18, 2010

SECTION 1 - IDENTITY

COMMON NAME : DENTALAIRE ONCE-A-DAY
 CAS. NUMBER: See Section 2
 CHEMICAL NAME: N/A
 CHEMICAL FAMILY: N/A
 FORMULA: N/A

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS #	OSHA PEL	ACGm: TLV	VAPOR PRESS @ 25 DEG. C	FLASH			F Wt %
					LEL	UEL	POINT DEG.	
Hexane**	110-54-3	500ppm	50ppm	140mmHg	1.2	7.5	< O(TCC)	40 - 50
Mineral Oil	8042-47-5	5mg/m ³	5mg/m ³	N/A	N/A	N/A	>265	30 - 40
Liquefied Petroleum Gas (propellant)	68476-85-7	1000ppm	1000ppm	3691 mmHg	2.0	10.0	-156 Est.	20 - 30

**NOTE: This product contains an ingredient subject to Section 313 of SARA Title III.

N/A is not available or not applicable

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS
(Fire & Explosion Data)

BOILING POINT (Deg. F): Concentrate: 200

Propellant: -16.0

SPECIFIC GRAVITY (Water = 1): Concentrate: 0.7

Propellant: 0.54

VAPOR PRESSURE (mmHg): See Section 2

VAPOR DENSITY (Air = 1): >1

EVAPORATION RATE (BA= 1): >1

SOLUBILITY IN WATER: Slight

REACTIVITY IN WATER: None

APPEARANCE AND ODOR: CONCENTRATE: Liquid with characteristic odor; PROPELLANT: Colorless, odorless gas;

FINISHED PACKAGE: Pressurized containers.

FLASH POINT: See Section 2

FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2

EXTINGUISHER MEDIA: Carbon dioxide, foam, dry chemical

AUTO-IGNITION TEMPERATURE: Unknown

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained respiratory equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable. Contents under pressure. Do not use or store near heat or ignition sources. Containers may burst at temperatures above 130 deg. F.

SECTION 4 - PHYSICAL HAZARDS

STABILITY: Stable

CONDITIONS TO AVOID: Avoid any ignition sources. Avoid excessive heat.

INCOMPATIBILITY (Materials to Avoid): Nitric plus Acetic Acids, Nitric plus Sulfuric Acid, Amines, Strong Oxidizing Agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not Applicable.

SECTION 5 - HEALTH HAZARDS

THRESHOLD LIMIT VALUE: See Section 2

SIGNS AND SYMPTOMS OF EXPOSURE: **EYE CONTACT:** May cause moderate eye irritation and moderate corneal injury. Vapors may irritate eyes; **SKIN CONTACT:** Prolonged contact may cause irritation, defatting of skin; **INHALATION:** May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage; **INGESTION:** If aspirated (liquid enters the lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems. Gastro-intestinal distress.

IMPORTANT NOTE: REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CHRONIC EFFECTS: THIS PRODUCT CONTAINS N-HEXANE. OVEREXPOSURE TO N-HEXANE MAY CAUSE PROGRESSIVE AND POTENTIALLY IRREVERSIBLE DAMAGE TO THE PERIPHERAL NERVOUS SYSTEM, PARTICULARLY IN THE ARMS AND LEGS.

SIMULTANEOUS EXPOSURE TO THE VAPORS OF N-HEXANE AND METHYL ETHYL KETONE (MEK) OR TO N-HEXANE AND METHYL ISOBUTYL KETONE (MIBK) ABOVE THE RECOMMENDED WORKPLACE LIMITS INCREASES THE RISK OF ADVERSE EFFECTS FROM N-HEXANE. EVIDENCE IN LABORATORY ANIMALS AND HUMANS INDICATES THAT IN THE PRESENCE OF MEK OR MIBK, THE NEUROPATHY ASSOCIATED WITH N-HEXANE IS PRODUCED IN A SHORTER PERIOD OF TIME OR AT LOWER EXPOSURE CONCENTRATIONS. THERE IS NO REPORTED HUMAN EVIDENCE THAT THESE NEUROTOXIC EFFECTS OCCUR WHEN EXPOSURE TO THESE CHEMICALS IS MAINTAINED BELOW ESTABLISHED OSHA AND ACGIH LIMITS.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM: No

I.A.R.C. MONOGRAPHS: No

OSHA: No

OSHA PERMISSIBLE EXPOSURE LIMIT: See Section 2

ACGIH THRESHOLD LIMIT VALUE: See Section 2

OTHER EXPOSURE LIMIT USED: None

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

EYES: Flush with flowing water immediately and continuously for 15 minutes. Consult medical personnel. **SKIN:** Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse. If irritation persists, call a physician.

INGESTION: Do not induce vomiting. Call a physician immediately.

SECTION 6 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.

VENTILATION:

LOCAL EXHAUST: To keep below TLV

MECHANICAL (General): To keep below TLV

SPECIAL: None

OTHER: None

PROTECTIVE GLOVES: Solvent resistant gloves - impervious gloves

EYE PROTECTION: Safety glasses or goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None reasonably foreseeable.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store above 120 deg. F. Avoid breathing vapors. Avoid prolonged or repeated contact with skin.

OTHER PRECAUTIONS: Extremely flammable. Do not use or store near open flames, heat, or any sources of ignition. Contents under pressure. Do not puncture or incinerate. Vapors are heavier than air and will collect in low areas.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: **SMALL SPILLS:** Remove ignition sources. Mop up, wipe up, or soak up immediately. Use proper protective equipment. **LARGE SPILLS:** Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies.

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State, and Local regulations. Do not incinerate closed or empty containers.

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SECTION 8 – NFPA HAZARD RATINGS

Health = 2 Flammability = 4 Reactivity = 0

Section 9 - Other Information

TRANSPORTATION INFORMATION – DOMESTIC GROUND

Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D
UN Number:	N/A
Packing Group:	N/A
Hazard Label:	None
Carton Marking:	Consumer Commodity, ORM-D

Disclaimer

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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	DENTALAIRE ONCE-A-DAY LUBE
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
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Telephone	(610) 277-1010
Fax	(610) 277-4390
E-Mail (competent person)	johnd@sprayproducts.com

Emergency telephone number

Emergency Phone No.	Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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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
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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.

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.

Precautionary Statement(s)

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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.

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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

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, NF30	8042-47-5	5 mg/m3	5 mg/m3 ⁽¹⁾	-----	-----	⁽¹⁾ Inhalable
n-Butane	106-97-8	-----	250 ppm	-----	-----	
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#

*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

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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. 95×10^4 (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.
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.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition product(s)'''	None known

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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)

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/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

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

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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.

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