SAFETY DATA SHEETS

This SDS packet was issued with item:

078071286

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071162916 078923463

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078109097

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA Hazard Communication 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA RATING: Health -2; Flammability-4; Reactivity-0; Special-0	HMIS RATING: Health -2; Flammability-4; Reactivity-0; Personal Protection-B
Manufactured For: Aseptico Inc. **Address:** 8333 216th St. S.E. **Address:** Woodinville, WA 98072	**DOT Hazard Classification:** ORM-D **Identity (trade name as used on label):** Aseptispray
Phone: (425) 487-3157	**MSDS Number:** S 3900 Revision 3
Emergency Response Number: (800) 255-3924 **NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA**	**Date Prepared:** 4/01/2003 **Prepared By:** GR

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogen 0.1%)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref., Source**
PROPANE	74-98-6	No	1000	1000	d
ISOBUTANE	75-28-5	No	800	800	d
HEXANE	110-54-3	Yes	50	50	d
PETROLEUM DISTILLATE	64742-64-7	No	5mg/M3	5mg/M3	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	**Specific Gravity:** (H2O=1); Concentrates Only = 0.77
Vapor Pressure: PSIG @ 70°F (Aerosols): Max, 60	**Vapor Pressure:** (Non Aerosols)(mm Hg and Temperature); N/A
Vapor Density: (Air = 1): N/E	**Evaporation Rate:** (= 1): N/E
Solubility in Water: Insoluble	**Water Reactive:** No
Appearance and Odor: Straw colored with Hexane solvant odor	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST **(aerosols) EXTREMELY FLAMMABLE**	Auto Ignition Temperature N/E	Flammability Limits in Air by % Volume: %LEL: N/E %UEL: N/E
FLASH POINT AND METHOD USED (non-aerosols): N/A **EXTINGUISHER MEDIA:** Foam, dry chemical, carbon dioxide, water	**SPECIAL FIRE FIGHTING PROCEDURES:** (Self-contained breating aperatus. Use water fog to cool containers to prevent rupturing & exploding containers. Provide shielding for personnel.	

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [**X**] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [**X**] WILL NOT OCCUR
Incompatibility (Mat. to avoid) Strong oxidizing agents	**Conditions to Avoid:** Open flame, welding arcs, heat, sparks.
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [**X**] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS

ACUTE AFFECTS

Inhalation: excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciouness or asphyxiation.

Eye Contact: Irritation	**Skin Contact:** Irritation due to defatting of skin

Ingestion: Possible chemical pnuemonitus if aspirated into lungs

Chronic affects: (Effects due to excessive exposure to the raw materials of this mixture) Excessive inhalation of hexane may cause nerve damage

Medical Conditions Generally aggrevated by Exposure: May aggrevate existing eye, skin, or upper respiratory conditions.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with running water for 15 minutes. If irritated, seek medical attention.

Skin Contact: Wash with soap and water. If irritated, seek medical attention.

Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapors

Protective Gloves: Neoprene	Eye protection: safety glasses recommended

Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.

Other Protective Clothing and Equipment: None

Hygenic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or handle according to local state or federal regulations.DO NOT FLUSH TO SEWER.

Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use , pose no disposal hazard.

Precautions To Be Taken in Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

Other Precautions &/or Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or gaurantee of any kind.

Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] ARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

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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	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

Emergency Phone No.	**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): **DANGER**

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 ºC/122 ºF.

Do not handle until all safety precautions have been read and understood.

Keep out of reach of children.

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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	Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable 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

SUBSTANCE.	CAS No.	(8hr TWA) PEL (OSHA)	(8hr TWA) TLV (ACGIH)	(STEL) PEL (OSHA)	(STEL) TLV (ACGIH)	Note:
Hexane	110-54-3	500 ppm	50 ppm*	-----	-----	*Skin
Light mineral oil, NF 30	8042-47-5	5 mg/m3	5 mg/m3[(I)]	-----	-----	[(I)]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 ºC); 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 x 10^4 (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0ºC (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.S. DOT	Sea transport (IMDG)	Air transport (ICAO/IATA)
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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