

Safety Data Sheet

acc. to 29 CFR 1910.1200 (OSHA Hazcom 2012)

Issued on 05/03/2016


Edition number 6

Reviewed on 05/03/2016

1 Identification

- **Product identifier**
- **Trade name:** Spraynet
- **Article number:** 1600036
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation:**
For industrial use only
Cleaner for dental instruments
- **Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
Bien Air USA, Inc.
5 Corporate Park
Suite 160
IRVINE, CA 92606
USA
Phone...: (800)-433-2436
Phone...: (949)-477-6050
Fax no.: (949)-477-6051
office@bienair.com
- **Information department:**
Product Safety Department
E-mail: reach@blaser.com
- **Emergency telephone number:**
Within USA and Canada : 1-800-424-9300
Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May cause cancer.
- **Label elements**
- **GHS label elements** The product is classified and labeled according to 29 CFR 1910.1200 (OSHA Hazcom 2012).
- **Hazard pictograms**

GHS02 GHS04 GHS08
- **Signal word** Danger
- **Hazard-determining components of labeling:**
ethanol
- **Hazard statements**
H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H350 May cause cancer.
- **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251 Do not pierce or burn, even after use.
P405 Store locked up.
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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· Other hazards None

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**· **Description:** Active substance with propellant· **Declarable components:**
CAS no.

64-17-5	ethanol	>40-<70%
106-97-8	butane	>10-<30%
74-98-6	propane	>10-<30%
67-63-0	isopropanol	>1-<5%

· **Additional information:**

The specific chemical identity and/or exact percentage concentration of proprietary components is withheld as a trade secret.

4 First-aid measures

· **Description of first aid measures**· **After skin contact:** Generally the product does not irritate the skin.· **After eye contact:** Rinse opened eye for several minutes under running water.· **After swallowing:**

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed** Nausea / vomiting· **Indication of any immediate medical attention and special treatment needed**

If swallowed or in case of vomiting, danger of entering the lungs.

Medical supervision for at least 48 hours.

5 Fire-fighting measures

· **Extinguishing media**· **Suitable extinguishing agents:** CO₂, extinguishing powder or water spray. Fight larger fires with water spray.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **Special hazards arising from the substance or mixture** No further relevant information available.· **Advice for firefighters**· **Protective equipment:** No special measures required.· **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.· **Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
The product has been classified and marked in accordance with directives on hazardous materials.
Observe the general safety regulations when handling chemicals.
- **Information about protection against explosions and fires:**
Do not spray on a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights.
Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Optimal storage temperature between -4°F and +104°F
Duration of storage: In original container, at least 6 years.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· Components with limit values at the workplace:

64-17-5 ethanol (>50-<80%)

PEL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m ³ , 1000 ppm

74-98-6 propane (>5.0-<15%)

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs and BEIs book

106-97-8 butane (>5.0-<15%)

REL (USA)	Long-term value: 1900 mg/m ³ , 800 ppm
TLV (USA)	Short-term value: 2370 mg/m ³ , 1000 ppm

67-63-0 isopropanol (>1.0-4.9%)

PEL (USA)	Long-term value: 980 mg/m ³ , 400 ppm
REL (USA)	Short-term value: 1225 mg/m ³ , 500 ppm
	Long-term value: 980 mg/m ³ , 400 ppm

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TLV (USA)	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI
· Ingredients with biological limit values:	
67-63-0 isopropanol (>1.0-4.9%)	
BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Respiratory Protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves (recommended):** Suitable protective gloves: Nitrile gloves, minimum thickness of 0.3 mm.
- **Breakthrough time of glove material:**
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection (recommended):**
Eye protector with side protection (framed eyeglasses) ANSI Z87.1 – 2010
Use of tight fitting goggles
- **Body protection (recommended):** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Aerosol
Color:	Colorless
Odor:	Peppermint
Odor threshold:	Not determined.

- **pH-value:** Not applicable.

- **Change in condition:**

Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	Active substance: > 172°F (> 78 °C) (DIN 51751 / ASTM D86) Not applicable, as aerosol.

- **Flash point:** Active substance: 54°F (12 °C) (ISO 2592 / ASTM D92)
Not applicable, as aerosol.

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· Evaporation rate	Not determined.
· Flammability (solid, gaseous):	Extremely flammable liquefied gas. Not applicable.
· Explosion limits (@1013 mbar):	
Lower:	1.5 Vol %
Upper:	15.0 Vol %
· Oxidizing properties	Not applicable.
· Vapor pressure at 20 °C (68 °F):	8300 hPa (6226 mm Hg)
· Vapor density	Not applicable.
· Relative density:	Active substance: 0.79 @ 68°F (20 °C) (DIN 51757 / ASTM D1217)
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Active subst.: Soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· Viscosity	
Kinematic:	Not determined.
· VOC content	100 %
· Other information:	none

10 Stability and reactivity

- **Reactivity** None known if used as directed.
- **Chemical stability** Stable under recommended storage conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with strong oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products (in case of fire or oxidation):**
Carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 - > 2000 - < 5000 mg / kg (oral, rat)
 - > 5,100 mg/m³ 4h (inhalation, rat)

ATE (Acute Toxicity Estimates)

Inhalative	LD50	744 mg/L (rat)
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67-63-0 isopropanol

Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LD50	30 mg/L (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.

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- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)	
64-17-5	ethanol
· NTP (National Toxicology Program)	
None of the ingredients are listed.	

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Used containers**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--------------------------|---------------------|
| · UN-Number | UN1950 |
| · DOT, IMDG, IATA | Aerosols, flammable |
| · DOT | AEROSOLS |
| · IMDG | AEROSOLS, flammable |
| · IATA | |
| · DOT | |



- | | |
|---------------------------------|-----|
| · Hazard Classification: | 2.1 |
|---------------------------------|-----|

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· Label	2.1
· IMDG, IATA	
	
· Hazard Classification:	2.1
· Label	2.1
· DOT, IMDG, IATA	not applicable
· Environmental hazards	
· Marine pollutant (according to IMDG):	No
· Special precautions for user	Warning: Gases
· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· Transport/Additional information:	
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IATA	IATA Dangerous Goods Regulation (DGR) 56th Edition 2015
· UN "Model Regulation":	UN1950, Aerosols, 2.1

15 Regulatory information

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

· **SARA (Superfund Amendments and Reauthorization)**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

isopropanol

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed on the U.S. TSCA inventory or exempt from premanufacture notice requirements.

· **California Proposition 65**

This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

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Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

64-17-5 ethanol

>40-<70%

Carcinogenic categories:
EPA (Environmental Protection Agency)

None of the ingredients are listed.

NIOSH-Carcinogen list

None of the ingredients are listed.

California SCAQMD Rule 1144: Not applicable.

GHS label elements GHS label elements are issued under section 2.

Additional classification according to Decree on Hazardous Materials:

Carcinogenic hazardous material group III (dangerous).

Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
 Exceptions can be made by the authorities in certain cases.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Regulations / approvals / other listings:

All major components are U.S. FDA listed for H1 Lubricants, or correspond to the current Pharmacopoeia or food grade requirements.

All contents comply with current pharmacological or food grade standards.

H.R.2420:
RoHS:

This product fulfill the H.R.2420 requirements in that the EDEE Act regulated materials are absent or their concentrations are significantly below regulatory thresholds.

BSE/TSE:

This product adheres to the standards of TSE/BSE-free products, according to European Community directives 93/42/EEC and 2003/32/EC.

Materials and/or synthetically modified materials which are of animal origin from bovine, ovine, goats, cats, dogs, deer, elk and/or mink, are NOT included in this product.

This product is entirely free from latex containing materials.

NFPA ratings (scale 0-4)

HMIS ratings (0-4)

Department issuing SDS: Product Stewardship

Editor's notice:

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

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· Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation
RoHS: Restriction of Hazardous Substances
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
ISO: International Organisation for Standardisation
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic chemicals
vPvB: very Persistent and very Bioaccumulative chemicals
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Carc. 1A: Carcinogenicity – Category 1A

· * Data compared to the previous version altered.

The asterisk (*) on the left side indicate the respective changes from the previous version.

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