

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 10.11.2008

Revision: 10.11.2008

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Lubrifluid
- **Article number:** 1600064
- **Application of the substance / the preparation:** For industrial use only
- **Manufacturer/Supplier:**
Bien-Air Dental S.A.
Länggasse 60
CH-2504 Biel
Tel.: int. +41 (0)32 344 64 64
office@bienair.com
- **Further information obtainable from:**
Product safety dept.
sdb@blaser.com
reach@blaser.com
- **Information in case of emergency:**
Abbreviated dialing: 145 (or: ++41 (0)44/ 251 51 51) Toxicological Info-Centre CH-Zurich

2 Hazards identification

- **Hazard description:**



F+ Extremely flammable

- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Warning! Pressurized container.
R 12 Extremely flammable.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Buildup of explosive mixtures possible without sufficient ventilation.
Keep out of the reach of children
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Description:** Active substance with propellant

· **Dangerous components:**

EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light	☒ Xn, ☒ F; R 11-65	25-50%
EINECS: 200-827-9	propane	☒ F+; R 12	10-25%
EINECS: 203-448-7	butane	☒ F+; R 12	10-25%
NLP: 500-228-5	1-Decene, dimer, hydrogenated	☒ Xn; R 65	1.0-2.4%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.

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- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information 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 EU Directives / Ordinance on Hazardous Materials.
Observe the general safety regulations when handling chemicals.
- **Information about fire - and explosion protection:**
Do not spray onto 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.
- **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:**
Keep container tightly sealed.
Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Storage temperature between -20 °C and +40 °C.
Duration of storage: In original container, at least 3 years.

8 Exposure controls/personal protection

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

- **Ingredients with limit values that require monitoring at the workplace:**

butane (10-25%)

WEL	Short-term value: 1810 mg/m ³ , 750 ppm
	Long-term value: 1450 mg/m ³ , 600 ppm
	Carc (if more than 0.1% of buta-1.3-diene)

- **Additional information:** The lists valid during the making were used as basis.

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- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Material of gloves**
Suitable protective gloves: Nitril gloves, minimum thickness of 0.3 mm, e.g. Ultranitril type 491.
Corresponds to the standards DIN/EN 374-2 and 374-3.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Eye protector with side protection (framed eyeglasses) EN 166.
- **Body protection:** Protective work clothing

9 Physical and chemical properties (typical data)

· **General Information**

Form:	Liquid
Colour:	Colourless
Odour:	Peppermint

· **Change in condition**

Melting point/Melting range: Not applicable

· **Drip point:**

Pour point Active substance: -30°C. (ISO 3016)

· **Flash point:**

Active substance: > 200°C. (ISO 2592)
Not applicable, as aerosol.

· **Ignition temperature:**

not determined

· **Self-igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower:	1.5 Vol %
Upper:	10.9 Vol %

· **Vapour pressure at 20°C:**

8300 hPa

· **Density:**

Active substance: 0.83 g/cm³ @ 20°C DIN 51757

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Viscosity:**

Kinematic: Active substance: 15 mm²/s @ 40°C (ISO 3104)

· **Additional information:**

safety relevant data, which has to be considered as product specifications.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with strong oxidizing agents.
- **Dangerous decomposition products:** Carbon dioxide

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11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
 - > 15,000 mg / kg (oral, rat)
 - > 8'100 mg/m³ 4h (inhalation, rat)
- **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **General notes:** Generally not hazardous for water

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

16 05 04 gases in pressure containers (including halons) containing dangerous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 2.1 5F
- **UN-Number:** 1950
- **Hazard label:** 2.1
- **Description of goods:** 1950 AEROSOLS
- **Remarks:** Contains: Hydrocarbons

· **Maritime transport IMDG:**



- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label:** 2.1
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS

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· **Remarks:** Contains: Hydrocarbons

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 2.1
· **UN/ID Number:** 1950
· **Label:** 2.1
· **Proper shipping name:** AEROSOLS, flammable
· **Remarks:** Contains: Hydrocarbons

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**



F+ Extremely flammable

· **Risk phrases:**

12 Extremely flammable.

· **Safety phrases:**

3 Keep in a cool place.

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

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 / listings:**

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

· **Relevant R-phrases**

11 Highly flammable.

12 Extremely flammable.

65 Harmful: may cause lung damage if swallowed.

· **The product does not contain:**

PCB, PCT, TCDD (tetrachlorodibenzodioxin) and other dioxin-like substances.

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- **Department issuing MSDS:** Product Safety Department
- **Contact:** Mr. Frei
- *** Data compared to the previous version altered.**

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**SHIPPER'S DECLARATION FOR DANGEROUS GOODS
DECLARATION DE L'EXPEDITEUR POUR MARCHANDISES DANGEREUSES**

Shipper / Expéditeur
BIEN-AIR DENTAL SA
LAENGGASSE 60
CH-2500 BIENNE 6
SWITZERLAND

Air Waybill No. *176-8070 8261*
N° de LTA
Page *1* of/de *1* Pages
Shipper's Reference Number
Références de l'expéditeur

Consignee / Destinataire
WILLIAM GREEN PTY LTD

47-49 Mary Parade
AU - 2116 RYDALMERE N.S.W.
AUSTRALIA

Two completed and signed copies of this Declaration must be handed to the operator.
Deux exemplaires remplis et signés doivent être remis à la compagnie.

WARNING
Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.

**TRANSPORT DETAILS
DETAILS DU TRANSPORT**

The shipment is within the limitations prescribed for : *(delete non-applicable)*
Cette expédition est dans les limites autorisées sur : *(rayer la mention inutile)*

Airport of Departure :
Aéroport de départ :

AVERTISSEMENT
Le non-respect sur quelque point que ce soit de la réglementation pour le transport des marchandises dangereuses peut constituer une infraction aux lois en vigueur, punissable par la loi.

PASSENGER AND CARGO AIRCRAFT AERONEFS PASSAGER ET CARGO	CARGO AIRCRAFT ONLY AERONEFS CARGO SEULEMENT
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Zürich

Shipment type : *(delete non-applicable)*
Type d'expédition : *(rayer la mention inutile)*

NON- RADIOACTIVE RADIOACTIVE

Airport of Destination :
Aéroport de destination : *Sydney*

**NATURE AND QUANTITY OF DANGEROUS GOODS
NATURE ET QUANTITE DE MATIERES DANGEREUSES**

Dangerous Goods Identification
Identification des marchandises dangereuses

UN or/ou ID N°	Proper Shipping Name Nom spécifique d'expédition	Class or Division (Subsidiary Risk) Classe ou Division (Risque Subsidiaire)	Packing Group Groupe d'emballage	Quantity and Type of packing Quantité et type d'emballage	Packing Inst. Inst. d'emballage	Authorization Autorisations
UN 1950	AEROSOLS, FLAMMABLE	2.1		1 FIBREBOARD BOX x 4.900 kg	203	

Additional Handling Information :
Informations complémentaires concernant la manutention :

"I declare that all of the applicable air transport requirements have been met."
EMERGENCY CONTACT ++41(0)34 460 01 01
Thomas Schmid

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.
Je déclare que le contenu de ce chargement est décrit ci-dessus de façon complète et exacte par la désignation officielle de transport et qu'il est convenablement classé, emballé, marqué, étiqueté, placardé et à tous égards bien conditionné pour être transporté conformément aux réglementations internationales et nationales applicables. Je déclare que toutes les exigences du transport aérien qui lui sont applicables ont été remplies.

Name/Title of Signatory / Nom/Titre du signataire

Place and Date / Lieu et date *Massimo Zenga, DGR Manager*

Signature *(see warning above)*
(voir avertissement ci-dessus)

BIENNE le 14.08.09