

EC safety Data sheet	Date of Issue : 08.08.03	Version :002
Product : Lubricant	Date of printing : 15/03/04	

Producer :

Technical & General Ltd
2 Albion Place
London W6 0QT
United Kingdom.

1. Commercial product name ;

Commercial name : Dental Handpiece Lubricant

2. Composition

Chemical characterisation : Fatty acid ester oil including ;
mixture of hydrocarbons (propane, butane and isobutane)

Hazardous components : 30-70 liquefied gas

Gas :	CAS-Nr.	EINECS-Nr	R-Phrase	EG-Nr.	% weight
n-Butane	106-97-8	203-448-7	R12	601-004-00-0	30 - 50
Propane	74-98-6	270-990-9	R12	601-003-00-05	
Aliphatic solvent.	90622-56-3		R11		15 - 25

3. Hazard identification

Extremely flammable, explosive/easily ignitable vapour-air mixtures may form during use. Solvent vapours are heavier than air and may accumulate close to the floor and in depressions.

4. First aid measures

Eye contact : Flush eyes with plenty of water (10-15 mins). Call a physician.

Skin contact : Flush with plenty of water immediately, may cause frost bite type of injuries. Use a mixture of soap and water.

Ingestion : After ingestion call a physician immediately and show packaging or label.

Inhalation : Move into fresh air. If you feel unwell, seek medical advice (show data sheet)

Further information : none.

5. Fire-fighting measures

Suitable extinguishing media : Foam, powder, carbon dioxide, water mist.

Extinguishing media to avoid : Do not use direct water stream.

Further information : Cool containers in the vicinity of the blaze using a water spray. Risk of explosion if heated under confinement. Violent eruption may occur under fire conditions.

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6. Accidental release measures

Keep away from sources of ignition. Use absorbent materials to clean.
 No smoking
 Do not allow to flow into drains. Explosion hazard.
 Dispose of according to local and national regulation.

7. Handling and storage.

Handling : Only adequately trained personnel should handle this product.
 Keep out of reach of children. Do not smoke.
 Industrial hygiene: Usual hygiene measures are required. Do not eat, drink or smoke
 Storage : Do not expose to direct sunshine. Store in cool, dry well
 ventilated areas away from sources of ignition and heat.
 Place of storage : Store in cool dry place.

8. Exposure controls / personal protection.

Technical equipment: Provide adequate local ventilation. Control airborne concentration below the exposure guideline. Propane/butane - maximum workplace concentration 1,000 ppm, aliphatic hydrocarbons - limit according to TRGS404 350 ppm.

Control of threshold limits:

n-butane CAS-Nr : 106-97-8
 MAK,ACGIH, TLV: 1,000ppm 2350mg/m³

Propane CAS-Nr. 74-98-6
 MAK,ACGIH, TLV: 1,000ppm 2350 mg/m³

Respiratory protection : Aerosols : Do not breathe vapour or spray. In poorly ventilated areas, use air purifying respiratory protection apparatus (type A)

Hand protection : Gloves.

Eye protection : Safety Goggles.

Other : Eye wash fountain should be located in the work area.

9. Physical and chemical properties

Appearance: Liquefied gas
 Colour: colourless/ yellowish
 Odour: light peppermint
 Change in physical state: not applicable.
 Boiling point: 40C to - 10C
 Ignition temperature: 300oC
 Flashpoint: approx. 42oC
 Explosion limits: Lower: 1,5 Vol %
 Vapourpressure: 1.5 bar at 20oC; 6,0 at 50oC
 Density: 0,54 - 0,66 g/cm³ at 20oC
 Soluble in water: practically not
 pH- Value: not applicable.

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10. Stability and reactivity

Thermal decomposition:	See 7
Hazardous decomposition:	None under normal conditions of storage and use.
Hazardous reactions:	None under normal conditions of storage and use.
Further information :	Extremely flammable product. Avoid ignition sources such as flames or spark producing equipment.
Dangerous reactions :	Danger of bursting at temperatures above 50°C.

11. Toxicological information.

Acute toxicity:	Do not breathe vapour. Signs and symptoms of excessive exposure may be narcotic effects. If liquid contacts skin or eyes, evaporation may cause frost bite type injury due to rapid cooling, or dermatitis with prolonged contact.
Subacute/chronic toxicity:	none
Further information:	Excessive exposure may cause eye & respiratory irritation.

12. Ecological consideration.

	Take to special waste incineration plant, in line with local regulations.
Water contamination :	Concentrated active ingredient may not enter wastewater or surface water.

13. Disposal Information :

Completely empty spray cans (including propellant). The empty cans then require no special measures : Waste code number according to European Waste Catalogue : 150104 - metals, packages, empty.

14. Transport information

Transport at land (GGVS/GGVE)		
GGVS/E Class:		2
Sipher	5F	
UN-No:		1950
Packing group:	II	
Overland statement:	F1	
Transport at sea: (IMDG/GGV See):		
IMDG/GGV Sea-Class		2
Sipher:	5F	
IMDG-Code page:		2102
UN-No.		1950
EMS-number:		Feb-13
Sea transport statement:		Marine pollutant.
Air transport: (ICAO-TI and IATA-DGR)		
ICAO/IATA-Class:		2.1
UN/ID-No.		1950
Packing group:	II	
Passenger aircraft:	Packing instructions Y203	max 30kg.
Cargo aircraft only:	Packing instructions Y203	max 150kg.
Labels:	RFG flammable gas.	

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15. Regulatory information.

The product requires classification according to the criteria of the EC.

Hazard designation: F+ Extremely flammable Contains liquified gas.

Risk phrases: R12 Extremely flammable.

Safety phrases: S9 Keep container in well ventilated area.

S16 Keep away from sources of ignition - No smoking.

S23 Do not breath vapour.

S2 Keep out of reach of children.

Container Labelling : Flame, highly ignitable, containers under pressure. Protect from sunlight and from heat above 50oC. Do not forcibly open or burn even after use. Do not spray towards a flame or glowing objects. Do not inhale the spray mist. Explosive/easily ignitable vapour air/mixture may form during use. Keep away from ignition sources. Do not smoke Use only in well ventilated areas. Keep out of reach of children.

15. Other information.

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50oC. Do not pierce or burn even after use. Do not spray on naked flame or incandescent material. Keep out of reach of children. During shipment, storage and use, this material should not be exposed to flame or ignition sources. Test pressure of cans used : 12 bar gauge pressure. Contains no chlorofluorocarbons (CFC) or chlorocarbons (CC).

The above mentioned date corresponds to our present knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measurers. The indications have no guarantee on properties.

Necessary label lettering:

Dental handpiece lubricant spray :

Safety information: See section 15 Regulatory information.

Pressurised 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 out of reach of children. Keep away from sources of ignition-No smoking.



500ml e

CFC Free logo.

Flame, highly ignitable.

Technical & General handpiece lubricant is a universal air bearing lubricant and can be used on all air motors, highspeed and slow speed handpieces. Please follow the individual manufacturers lubricating instructions for lubricating intervals. In the case of ceramic bearing, please follow manufacturer's instructions where applicable. Technical & General handpiece lubricant will accept most standard nozzle attachments including ; Kavo, W&H, Bien Air, NSK, Micro Mega.