

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Micro-Mega Spray 500i

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Dental internal cleaning and oiling spray for all Micro-Mega turbines and handpieces for micro-motors.

1.3. Details of the supplier of the safety data sheet

Company name:	Micro-Mega S.A.	
	Boite Postale 1353	
Street:	Rue du Tunnel 5-12	
Place:	F-25006 Besancon	
Telephone:	+33 (0) 381544242	Telefax: +33 (0) 381544249

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Indications of danger : Extremely flammable

R-phrases:

Extremely flammable.

GHS classification

Hazard categories:

Flammable aerosol: Flam. Aerosol 1

Hazard Statements:

Extremely flammable aerosol.

2.2. Label elements

Signal word:	Warning
Pictograms:	GHS02

**Hazard statements**

H222	Extremely flammable aerosol.
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Precautionary statements

P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P262	Do not get in eyes, on skin, or on clothing.
P251	Pressurized container: Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P102	Keep out of reach of children.

Special labelling of certain mixtures

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. Keep out of the reach of children.

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 2 of 8

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
232-455-8	White mineral oil (petroleum)	15 - 20 %
8042-47-5		
	Asp. Tox. 1; H304	
01-2119487078-27		

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Never give anything by mouth to an unconscious person or a person with cramps. Guide people to safety.

After inhalation

Provide fresh air.

After contact with skin

Wash with generous amount of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink large quantities of water.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Foam. Extinguishing powder.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 3 of 8

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow uncontrolled leakage of product into the environment. Explosion hazard.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

Refer to chapter 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide for sufficient ventilation and punctiform suction at critical points. Dust must be vacuumed up immediately at the place it occurs. Do not eat, drink, smoke or sneeze at the workplace.

Advice on protection against fire and explosion

Do not spray into flames or ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

Respiratory protection

Wear respiratory protection when in the presence of vapour, dust, and aerosols.

Hand protection

Suitable material: NBR (Nitrile rubber). penetration time (maximum wearing period): 480min

Eye protection

Suitable eye protection: Tightly sealed safety glasses.

Skin protection

No special precautionary measures are necessary.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 4 of 8

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	slightly yellow
Odour:	mild

Test method

pH-Value (at 20 °C):	not applicable
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Changes in the physical state

Melting point:	No information available.
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Boiling point:	-40 °C
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Sublimation point:	No information available.
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Softening point:	No information available.
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:	No information available.
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Flash point:	-80 °C
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Lower explosion limits:	1 vol. %
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Upper explosion limits:	11 vol. %
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Ignition temperature:	No information available.
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Vapour pressure:	No information available.
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Vapour pressure:	No information available.
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Density (at 20 °C):	0,85 g/cm³	DIN 51757
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Water solubility:	insoluble
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Partition coefficient:	No information available.
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Viscosity / dynamic:	No information available.
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Viscosity / kinematic:	No information available.
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Flow time:	No information available.
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Vapour density:	No information available.
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Evaporation rate:	No information available.
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Solvent separation test:	No information available.
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Solvent content:	No information available.
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9.2. Other information

Solid content:	No information available.
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density: Data apply to technical substance.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : Oxidizing agents.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Keep away from heat. Ignition hazard.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 5 of 8

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

Further information

Do not mix with other chemicals.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
8042-47-5	White mineral oil (petroleum)				
	oral	LD50 mg/kg	>5000	Rat.	SDB Tudapetrol
	dermal	LD50 mg/kg	>2000	Rabbit.	SDB Tudapetrol

Specific effects in experiment on an animal

No information available.

Irritation and corrosivity

No information available.

Sensitising effects

No information available.

Severe effects after repeated or prolonged exposure

No information available.

Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**12.2. Persistence and degradability**

There are no data available on the mixture itself. AOX (mg/l): 0

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

Further information

The classification was undertaken in accordance with the calculation method governed by the

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 6 of 8

Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Water (with cleaning agent). Completely emptied packings can be re-cycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
 Hazard label: 2.1
 Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Transport category: 2
 Tunnel restriction code: D

Other applicable information (land transport)

E0

Inland waterways transport

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
 Hazard label: 2.1
 Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L

Other applicable information (inland waterways transport)

E0

Marine transport

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 7 of 8

14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2, see SP63
 Special Provisions: 63, 190, 277, 327, 344, 959
 Limited quantity: See SP277
 EmS: F-D, S-U

Other applicable information (marine transport)
 E0

Air transport

UN/ID number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
 Hazard label: 2.1
 Special Provisions: A1 A145 A167 A802
 Limited quantity Passenger: Forbidden
 IATA-packing instructions - Passenger: Forbidden
 IATA-max. quantity - Passenger: Forbidden
 IATA-packing instructions - Cargo: 203
 IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)
 E0
 Passenger-LQ: Forbidden

14.5. Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

1999/13/EC (VOC): VOC-CH: 0,210 kg/500ml
 VOC 1999/13/EG: 62,25 % w/w

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
 Data concerning the Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

12 Extremely flammable.

Full text of H-Statements referred to under sections 2 and 3

H222 Extremely flammable aerosol.
 H304 May be fatal if swallowed and enters airways.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Micro-Mega Spray 500i

Print date: 23.07.2012

Product code: 50700008

Page 8 of 8

information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)