

Material Safety Data Sheet

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Infosafe No™ 4ACJH

Issue Date : January 2009

ISSUED by PDS

Product Name : **ROTAGEN**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ROTAGEN

Company Name Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)

Address 3/8 Nicole Close Bayswater North
VIC 3153 Australia

Emergency Tel. +61 3 9761 6615 bh

Telephone/Fax Number Tel: +61 3 9761 6615
Fax: +61 3 9730 1073

Recommended Use Extra high pressure, temperature stable, aerosol spray for the lubrication and cleaning of high and low speed dental rotary instruments.

Other Names

<u>Name</u>	<u>Product Code</u>
350 g NET High Pressure Aerosol Spray Can	36350

Other Information PROFESSIONAL DENTIST SUPPLIES
Ph: 03 9761 6615 (business hours)
The information contained within this material safety data sheet (MSDS) is believed to be accurate on the date of issue and in accordance with the information provided to us. Any person handling the product referred to in this material safety data sheet do so at their own risk. Professional Dental Supplies accepts no liability whatsoever for damage or injury caused from the use of this information or of suggestions contained herein.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s) R12 Extremely Flammable.
R61(2) May cause harm to the unborn child
R62 Possible risk of impaired fertility.

Safety Phrase(s) S16 Keep away from sources of ignition - No smoking.
S23(3) Do not breathe spray.
S24/25 Avoid contact with skin and eyes.
S33 Take precautionary measures against static discharges.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S9 Keep container in a well ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Hydrocarbon	68476-85-7	30-60 %
	Propellant (LPG)		
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	10-30 %
	Dibutyl phthalate	84-74-2	0-10 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion Unlikely to occur due to the physical state of the product. However, if ingested, rinse mouth with water. Do NOT induce vomiting. Seek medical attention.

Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

First Aid Facilities Normal washroom facilities.

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Product Name : **ROTAGEN****Advice to Doctor** Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Alcohol resistant foam, dry chemical or Carbon dioxide.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Specific Hazards This product is extremely flammable. Keep containers and fire-exposed surfaces cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

Hazchem Code 3YE

Precautions in connection with Fire Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. Allow gas to disperse to atmosphere. For liquid spills: If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Use away from all sources of heat and ignition. Avoid physical damage to containers. Do not incinerate or puncture aerosol cans. Avoid skin and eye contact and breathing of gas. Post 'NO SMOKING' signs in area of use. Avoid release of gas into workplace air. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, leaks, etc.) readily available.

Conditions for Safe Storage Pressurised container. Protect from sunlight. Keep containers upright and protect from physical damage. Inspect regularly for corrosion. It is recommended that aerosols are stored in their own location away from bulk flammable liquids, packaging materials, foodstuffs and strong oxidising agents. Store in a cool, dry, well ventilated place out of direct sunlight and away from heat and ignition sources. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all Local, State and Federal regulations.

Storage Temperatures Do not expose to temperatures exceeding 40°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	<u>Name</u>	STEL		TWA		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Dibutyl phthalate			5		

Other Exposure Information No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, exposure standards for ingredients are stated above:
As published by the National Occupational Health and Safety Commission (NOHSC):
TWA (Time Weighted Average): The average airborne concentration of a

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	particular substance when calculated over a normal eight-hour working day, for a five-day week. STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
Engineering Controls	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material such as Nitrile rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.
Odour	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Flash Point	< 60°C
Flammability	Extremely flammable.
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Heat and strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes.
Hazardous Polymerization	Will not occur.

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11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this material.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Not a likely source of exposure. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling.
Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Chronic Effects	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches. Inhalation of high concentrations by intentional misuse (sniffing) may be fatal.
Reproductive Toxicity	According to NOHSC this product is a category (2) May cause harm to the unborn child. Possible risk of impaired fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data is available for this material.
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.
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14. TRANSPORT INFORMATION

Transport Information	This material is classified as a Class 2.1 (Flammable Gases) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. Class 2.1 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Class 3, Flammable Liquids, if both the Class 2.1 and Class 3 dangerous goods are in bulk - Class 4.1, Flammable Solids - Class 4.2, Spontaneously Combustible Substances - Class 4.3, Dangerous When Wet Substances - Class 5.1, Oxidising Agents - Class 5.2, Organic Peroxides - Class 7, Radioactive Substances
U.N. Number	1950
Proper Shipping Name	AEROSOLS
DG Class	2.1
Hazchem Code	3YE
Packaging Method	
Packing Group	
EPG Number	2D1

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IERG Number 49

15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

Hazard Category Toxic, Extremely Flammable

16. OTHER INFORMATION

Date of preparation MSDS Reviewed: January 2009

or last revision of MSDS Supersedes: May 2004

MSDS

Contact Person/Point

...End Of MSDS...

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