

# Material Safety Data Sheet

Page: 1 of 4

Infosafe No. 4ACJH Issue Date : May 2004 ISSUED by PDS

Product Name : **ROTAGEN**

Classified as hazardous according to criteria of NOHSC

## COMPANY DETAILS

**Company Name** Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)  
**Address** Building 3/8 Nicole Close Bayswater North  
VIC 3153 Australia  
**Emergency Tel.** +61 3 9761 6615 bh  
**Tel/Fax** Tel: +61 3 9761 6615 Fax: +61 3 9730 1073

## IDENTIFICATION

**Product Name** ROTAGEN  
**Proper Shipping Name** AEROSOLS  
**Other Names** Name Product Code  
350 g NET High Pressure Aerosol Spray Can 36350  
**UN Number** 1950  
**DG Class** 2.1  
**Hazchem Code** 3YE  
**Poisons Schedule** Not Scheduled  
**Product Use** Extra high pressure, temperature stable, aerosol spray for the lubrication and cleaning of high and low speed dental rotary instruments.

## Physical Data

**Appearance** Clear liquid.  
**Boiling Point** Not available  
**Vapour Pressure** Not available  
**Specific Gravity** Not available  
**Flash Point** < 100°C  
**Flamm. Limit LEL** Not available  
**Flamm. Limit UEL** Not available  
**Solubility in Water** Insoluble

## Other Properties

**Stability** Stable under normal conditions of use.  
**Haz. Polymerization** Will not occur.  
**Materials to Avoid** Heat and strong oxidising agents.

## Ingredients

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Hydrocarbon Propellant (LPG)	68476-85-7	30-60 %
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	10-29 %
	Dibutyl phthalate	84-74-2	0-10 %

## HEALTH HAZARD INFORMATION

### Health Effects

**Acute - Swallowed** Not a likely source of exposure. Ingestion of this product may irritate the gastric tract, causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system. Signs and symptoms are similar to those of alcohol intoxication.

**Acute - Eye** May cause irritation in contact with the eyes, which can result in stinging, redness and lachrymation.

**Acute - Skin** May dry and defat the skin resulting in skin irritation and possible contact dermatitis.

# Material Safety Data Sheet

Page: 2 of 4

Infosafe No. 4ACJH Issue Date : May 2004 ISSUED by PDS

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**Acute - Inhaled** Vapours or mists may cause irritation to the mucous membrane and upper airways. Symptoms may include nausea, drowsiness, vomiting and breathing difficulties.

**Chronic** 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.

**Hazards Identification** Classified as Hazardous according to the criteria of NOHSC. Classified as Dangerous Goods according to the ADG Code.

**RISK PHRASES:**  
Extremely flammable.  
May form explosive peroxides.  
Harmful: may cause lung damage if swallowed.

**SAFETY PHRASES:**  
Keep container in a well ventilated place.  
Do not breathe spray.  
Keep away from sources of ignition - no smoking  
Avoid skin and eye contact.  
Take precautionary measures against static discharges.  
Wear suitable protective clothing, gloves and eye/face protection.

## First Aid

**Swallowed** Wash out mouth with water. If swallowed do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Where vomiting occurs naturally have victim place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.

**Eye** If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Skin** Remove all contaminated clothing. Wash gently and thoroughly with soap and water. If irritation develops and persists seek medical attention.

**Inhaled** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If irritation develops and persists seek medical attention.

**First Aid Facilities** Normal washroom facilities.

## Advice to Doctor

**Advice to Doctor** Treat symptomatically.

## Other Health Hazard Information

## PRECAUTIONS FOR USE

Exposure Limits	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Dibutyl phthalate			5		

**Eng. Controls** Use in well ventilated areas only. If used in confined spaces a respirator may be necessary. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

**Other Information** Avoid skin and eye contact and breathing in vapour. Avoid physical damage to containers. Do not incinerate or puncture aerosol cans.  
Use in well ventilated area. Prevent build up of vapours in sumps and hollows.

## Personal Protection

**Eye Protection** Use chemical goggles or safety glasses. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Glove Type** The use of Nitrile rubber gloves is recommended.

## Flammability

# Material Safety Data Sheet

Page: 3 of 4

Infosafe No. 4ACJH Issue Date : May 2004 ISSUED by PDS

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**Fire Hazards** FLAMMABLE GAS: Flashpoint: < 100°C

## SAFE HANDLING INFORMATION

### Storage and Transport

**Storage Precautions** Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 40°C. 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 any relevant Commonwealth, State or Territory regulations. Keep containers upright and protect from physical damage. Inspect regularly for corrosion.

**Transport** This material is classified as a Class 2.1 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. Class 2.1 Flammable Gases shall not be loaded or packed in the same vehicle or freight as:

- Explosives ( Class 1),
- Flammable Liquids (Class 3)(If both the Class 2.1 and Class 3 dangerous goods are in bulk),
- Flammable Solids (Class 4.1),
- Spontaneously Combustible Substances (Class 4.2),
- Dangerous When Wet Substances (Class 4.3),
- Oxidising Agents (Class 5.1),
- Organic Peroxides (Class 5.2),
- Radioactive Substances (Class 7).

**ADG Proper Shipping Name** AEROSOLS

**ADG EPG Number** 2D1

**ADG IERG Number** 49

**Packaging Method** 5.9.2

### Spills and Disposal

**Spills & Disposal** Remove all sources of ignition. Increase ventilation and allow escaping gas to disperse.

**Disposal** Dispose of in accordance with local waste management regulations. New or used mineral oils, or solvent must not be allowed to enter the ground, ground water, water courses, sewers or drainage systems. Advice may be sought from the Environmental Protection Authority or from the local waste disposal authority. Do not dispose of empty containers in fire. Do not puncture containers.

### Fire/Explosion Hazard

**Fire/Explos. Hazard** Highly flammable liquid and gas. Vapour forms explosive mixture with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Vapour may travel a considerable distance to source of ignition and flash back. Heating may cause expansion or decomposition leading to violent rupture of containers

**Hazardous Combustion Products** Oxides of carbon.

**Fire Fighting Precautions** Wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing to minimise skin exposure. Water spray may be used to cool down heat exposed containers.

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

**Hazchem Code** 3YE

### OTHER INFORMATION

# Material Safety Data Sheet

Page: 4 of 4

Infosafe No.	4ACJH	Issue Date : May 2004	ISSUED by PDS
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<b>Toxicology</b>	No toxicity data is available for this material.
<b>Environ. Protection</b>	Prevent this material entering waterways, drains and sewers.
<b>Risk Statement</b>	R12 Extremely Flammable. R19 May form explosive peroxides. R65 Harmful: may cause lung damage if swallowed.
<b>Safety Statement</b>	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.
<b>Hazard Category</b>	Harmful,Extremely Flammable

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## CONTACT POINT

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<b>Contact</b>	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. ...End Of MSDS...
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