

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 02.11.2017

Version number 1801

Revision: 02.11.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name: **NitramOil #2**  
 Article number: 1.342

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture Lubricant  
 No further relevant information available.

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Sirona Dental A/S  
 Rho 10  
 DK-8382 Hinnerup Denmark  
 Tel.: +45 87439060  
 Fax: +45 87439061  
 E-mail: contact.hygiene@sirona.com  
 Homepage: http://www.sirona.com

Further information obtainable from: Environment protection department  
 1.4 Emergency telephone number: Advice centre for poisoning university Mainz phone +49(0)6131/19240  
 or poison information:+49(0)700/GIFTINFO

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void  
 Hazard pictograms Void  
 Signal word Void  
 Hazard statements Void

#### 2.3 Other hazards

Results of PBT and vPvB assessment  
 PBT: Not applicable.  
 vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

Description: Synthetic hydrogencarbon-oil, esteroil  
 Dangerous components: Void  
 Additional information: For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General information: Position and transport stably in side position.  
 Take affected persons out of danger area and lay down.  
 After inhalation: Seek medical treatment in case of complaints.  
 In case of unconsciousness place patient stably in side position for transportation.  
 Supply fresh air; consult doctor in case of complaints.  
 Take affected persons into fresh air and keep quiet.  
 Supply fresh air.  
 After skin contact: Generally the product does not irritate the skin.  
 If skin irritation continues, consult a doctor.  
 After eye contact: Rinse opened eye for several minutes under running water.  
 Seek medical treatment.  
 After swallowing: If symptoms persist consult doctor.  
 A person vomiting while laying on their back should be turned onto their side.  
 Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
 Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

#### 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:  
 Carbon monoxide (CO)

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**5.3 Advice for firefighters**

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Remove persons from danger area.

Wear protective clothing.

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

**6.4 Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Prevent formation of aerosols.

Keep receptacles tightly sealed.

No special precautions are necessary if used correctly.

Avoid the formation of oil haze.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Information about fire - and explosion protection:

No special measures required.

Keep ignition sources away - Do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Store in a cool location.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Store receptacle in a well ventilated area.

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

Protect from heat and direct sunlight.

**7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

Additional information about design of technical facilities:

No further data; see item 7.

**8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

**2,6-Di-tert-butyl-p-kresol**

Dermal DNEL Long-term - systemic effects 8.3 mg/kg bw/day (wrk)

Inhalative DNEL Long-term - systemic effects 5.8 mg/m<sup>3</sup> (wrk)

PNECs

**2,6-Di-tert-butyl-p-kresol**

PNEC Soil (Boden) 1.04 mg/kg (---)

PNEC Fresh water sediment (Süßwassersediment) 1.29 mg/kg (---)

PNEC freshwater (Süßwasser) 0.004 mg/l (---)

PNEC marine water (Meerwasser) 0.004 mg/l (---)

PNEC mikrobiological activity in waste water 100 mg/l (---)

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<ul style="list-style-type: none"> <li>- Additional information:</li> <li>- <b>8.2 Exposure controls</b></li> <li>- Personal protective equipment:</li> <li>- General protective and hygienic measures:</li> <li>- Respiratory protection:</li> <li>- Protection of hands:</li> <li>- Material of gloves</li> <li>- Penetration time of glove material</li> <li>- Eye protection:</li> </ul>	<p>The lists valid during the making were used as basis.</p> <p>Avoid close or long term contact with the skin. Use suitable respiratory protective device in case of insufficient ventilation. In case of intensive or longer exposure use self-contained respiratory protective device.</p> <p>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</p> <p>Nitrile rubber, NBR The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>Value for the permeation: Level <math>\leq 0,7</math> mm 480min (8h) EN374 The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Goggles recommended during refilling</p>	(Contd. of page 2)
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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<ul style="list-style-type: none"> <li>- General Information</li> <li>- Appearance:</li> <li style="padding-left: 20px;">Form:</li> <li style="padding-left: 20px;">Colour:</li> <li>- Odour:</li> <li>- Odour threshold:</li> <li>- pH-value:</li> <li>- Change in condition</li> <li style="padding-left: 20px;">Initial boiling point and boiling range:</li> <li>- Pour point</li> <li>- Flash point:</li> <li>- Flammability (solid, gas):</li> <li>- Ignition temperature:</li> <li style="padding-left: 20px;">Decomposition temperature:</li> <li>- Auto-ignition temperature:</li> <li>- Explosive properties:</li> <li>- Vapour pressure at 20 °C:</li> <li>- Density at 20 °C:</li> <li>- Relative density</li> <li>- Vapour density</li> <li>- Evaporation rate</li> <li>- Solubility in / Miscibility with water:</li> <li>- Partition coefficient: n-octanol/water:</li> <li>- Viscosity:</li> <li style="padding-left: 20px;">Dynamic:</li> <li style="padding-left: 20px;">Kinematic at 40 °C:</li> <li>- Solvent content:</li> <li style="padding-left: 20px;">Organic solvents:</li> <li>- <b>9.2 Other information</b></li> </ul>	<p>Fluid</p> <p>Light yellow</p> <p>Product specific</p> <p>Not determined.</p> <p>Not determined.</p> <p>Undetermined.</p> <p>&lt; -40 °C (DIN ISO 3016)</p> <p>&gt; 200 °C</p> <p>Not applicable.</p> <p>Not determined.</p> <p>Product is not selfigniting.</p> <p>Not determined.</p> <p>&lt;0,001 hPa</p> <p>0,85 g/cm<sup>3</sup></p> <p>Not determined.</p> <p>Not determined.</p> <p>Not determined.</p> <p>Not miscible or difficult to mix.</p> <p>Not determined.</p> <p>Not determined.</p> <p>25 mm<sup>2</sup>/s</p> <p>0,0 %</p> <p>No further relevant information available.</p>
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### SECTION 10: Stability and reactivity

<ul style="list-style-type: none"> <li>- <b>10.1 Reactivity</b></li> <li>- <b>10.2 Chemical stability</b></li> <li>- Thermal decomposition / conditions to be avoided:</li> <li>- <b>10.3 Possibility of hazardous reactions</b></li> <li>- <b>10.4 Conditions to avoid</b></li> </ul>	<p>No further relevant information available.</p> <p>No decomposition if used according to specifications.</p> <p>No dangerous reactions known.</p> <p>No further relevant information available.</p>
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| <ul style="list-style-type: none"> <li>· <b>10.5 Incompatible materials:</b></li> <li>· <b>10.6 Hazardous decomposition products:</b></li> </ul> | <p style="text-align: right;">(Contd. of page 3)</p> <p>oxidizing agents</p> <p>Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol</p> |
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### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met.

- LD/LC50 values relevant for classification:

#### 2,6-Di-tert-butyl-p-kresol

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)

- Primary irritant effect:
- Skin corrosion/irritation irritating effect

#### 2,6-Di-tert-butyl-p-kresol

Irritation of skin	OECD 404	- (rabbit)
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- Serious eye damage/irritation

#### 2,6-Di-tert-butyl-p-kresol

Irritation of eyes	OECD	- (rabbit)
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Based on available data, the classification criteria are not met.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

- Subacute to chronic toxicity:

#### 2,6-Di-tert-butyl-p-kresol

Oral	NOAEL (90d)	100 mg/kg (rat)
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- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- Aquatic toxicity:

#### 2,6-Di-tert-butyl-p-kresol

EC50 (48h)	0.17 mg/l	(daphnia magna/gr. Wasserfloh)
EC50 (72h)	0.42 mg/l	(Desmodesmus subspicatus/Grünalge)
LC50 (72h)	>0.57 mg/l	(danio rerio/ Zebrabärbling)
NOEC	>0.39 mg/l / 21d	(daphnia magna/gr. Wasserfloh)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- Additional ecological information:

- General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**

- PBT: Not applicable.

- vPvB: Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods** Dispose of contents/container in accordance with local/regional/national/international regulations.

- Uncleaned packaging:

- Recommendation: Non contaminated packagings may be treated like household garbage.

### SECTION 14: Transport information

- **14.1 UN-Number**

- ADR, ADN, IMDG, IATA Void

- **14.2 UN proper shipping name**

- ADR, ADN, IMDG, IATA Void

- **14.3 Transport hazard class(es)**

- ADR, ADN, IMDG, IATA

- Class Void

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- **14.4 Packing group**
  - ADR, IMDG, IATA
  - **14.5 Environmental hazards:**
  - Marine pollutant:
  - **14.6 Special precautions for user**
  - **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**
  - UN "Model Regulation":
- |  |                 |
|--|-----------------|
|  | Void            |
|  | No              |
|  | Not applicable. |
|  | Not applicable. |
|  | Void            |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I
  - **15.2 Chemical safety assessment:**
- |  |  |
|--|--|
|  | None of the ingredients is listed.                     |
|  | A Chemical Safety Assessment has not been carried out. |

### SECTION 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.

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|--|---|
| <ul style="list-style-type: none"> <li>· Department issuing SDS:</li> <li>· Abbreviations and acronyms:</li> </ul> | <p>Environment protection department.</p> <p>ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</p> <p>IMDG: International Maritime Code for Dangerous Goods</p> <p>IATA: International Air Transport Association</p> <p>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances</p> <p>ELINCS: European List of Notified Chemical Substances</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society)</p> <p>DNEL: Derived No-Effect Level (REACH)</p> <p>PNEC: Predicted No-Effect Concentration (REACH)</p> <p>LC50: Lethal concentration, 50 percent</p> <p>LD50: Lethal dose, 50 percent</p> <p>PBT: Persistent, Bioaccumulative and Toxic</p> <p>vPvB: very Persistent and very Bioaccumulative</p> |
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- \* Data compared to the previous version altered.

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