

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/26/2017

Reviewed on 10/26/2017

1 Identification

Product identifier

- Trade name: **T1 Pflegeöl**
- Article number: 5360-0305
- Application of the substance / the mixture Lubricant

Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
 - Supplier:
 - SIRONA Dental Systems GmbH
 - Fabrikstraße 31
 - D-64625 Bensheim
 - http://www.sirona.de
 - Telefon:+49(0)6251/16-1670
 - Telefax:+49(0)6251/16-1818
- Manufacturer:
 - Graichen Produktions-und Vertriebs-GmbH
 - Darmstädterstraße 127-129
 - D-64625 Bensheim
 - Germany
 - Tel.: +49 6251 73103
 - Fax: +49 6251 77901
 - E-Mail: ehs@graichen-bensheim.de
 - www.graichen.net
- Information department: Environment protection department
- Emergency telephone number: Advice centre for poisoning university Mainz phone +49(0)6131/19240 or poison information:+49(0)700/GIFTINFO

2 Hazard(s) identification


Classification of the substance or mixture

The product is not classified according to the Globally Harmonized System (GHS).

Label elements

- GHS label elements
- Hazard pictograms
- Signal word
- Hazard statements
- NFPA ratings (scale 0 - 4)

Void
Void
Void
Void


 Health = 0
 Fire = 1
 Reactivity = 0

- HMIS-ratings (scale 0 - 4)


 Health = 0
 Fire = 1
 Reactivity = 0

Other hazards


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

3 Composition/information on ingredients

Chemical characterization: Mixtures

- Description: Synthrtic hydrogencarbon-oil,esteroil

Dangerous components:

68649-11-6 1-Decen, Dimer, hydriert	 Asp. Tox. 1, H304;  Acute Tox. 4, H332	2.5-10%
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- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

Description of first aid measures

- General information: No special measures required.
- After inhalation:
 - Supply fresh air; consult doctor in case of complaints.
 - Take affected persons into fresh air and keep quiet.
 - Use a respiration bag or breathing device.
- After skin contact:
 - If skin irritation continues, consult a doctor.
- After eye contact:
 - Rinse opened eye for several minutes under running water.
- After swallowing:
 - If symptoms persist consult doctor.
 - Do not induce vomiting; immediately call for medical help.
- Information for doctor:
 - Most important symptoms and effects, both acute and delayed: No further relevant information available.
 - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

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5 Fire-fighting measures

- **Extinguishing media**
- Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** Carbon monoxide (CO)
- **Advice for firefighters**
- Protective equipment: Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Product forms slippery surface when combined with water.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

7 Handling and storage

- **Handling:**
- Precautions for safe handling Store in cool, dry place in tightly closed receptacles.
- Information about protection against explosions and fires: No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- Information about storage in one common storage facility: Store away from foodstuffs.
Store away from oxidizing agents.
- Further information about storage conditions: Store receptacle in a well ventilated area.
- Storage class: VCI 10
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- Components 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.
The lists that were valid during the creation were used as basis.
- Additional information:
- **Exposure controls**
- Personal protective equipment: Avoid close or long term contact with the skin.
Be sure to clean skin thoroughly after work and before breaks.
- General protective and hygienic measures: Not required.
- Breathing equipment: 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
- Protection of hands: 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.
- Material of gloves Value for the permeation: Level ≤ 0,7 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.
- Penetration time of glove material Goggles recommended during refilling.
- Eye protection:

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- Body protection: Protective work clothing

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9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information
- Appearance:
 - Form: Fluid
 - Color: Light yellow
- Odor: Characteristic
- Odor threshold: Not determined.
- pH-value: Not applicable
- Change in condition
 - Melting point/Melting range: Not determined
 - Boiling point/Boiling range: Not determined
- Pour point: < -40 °C (<-40 °F) (DIN ISO 3016)
- Flash point: Not applicable.
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature:
 - Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Not determined.
- Explosion limits:
 - Lower: Not determined
 - Upper: Not determined
- Density at 20 °C (68 °F): 0,84 g/cm³ (7.0098 lbs/gal)
- Relative density: Not determined.
- Vapor density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with
 - Water: Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
 - Dynamic: Not determined.
 - Kinematic at 20 °C (68 °F): 15 mm²/s (DIN51562)
- Solvent content:
 - Organic solvents: 0,0 %
- **Other information**: No further relevant information available.

10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: Reacts with strong oxidizing agents.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: oxidizing agents
- **Hazardous decomposition products**: Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- Acute toxicity:
- Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 - The product is not subject to classification according to internally approved calculation methods for preparations:
 - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- Carcinogenic categories

- IARC (International Agency for Research on Cancer)	
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2,6-Di-tert-butyl-p-kresol	3
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- NTP (National Toxicology Program)	
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None of the ingredients is listed.	
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- OSHA-Ca (Occupational Safety & Health Administration)
- None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- Aquatic toxicity: No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- **Additional ecological information:**
- General notes: Water hazard class 1 (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.
- **Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods** Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Uncleaned packagings:**
- Recommendation: Non contaminated packagings can be treated like household garbage.

14 Transport information

- **UN-Number**
- DOT, ADR, ADN, IMDG, IATA Void
- **UN proper shipping name**
- DOT, ADR, ADN, IMDG, IATA Void
- **Transport hazard class(es)**
- DOT, ADR, ADN, IMDG, IATA
- Class Void
- **Packing group**
- DOT, ADR, IMDG, IATA Void
- **Environmental hazards:**
- Marine pollutant: No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Sara

· Section 355 (extremely hazardous substances):
None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):
All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)
None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)
2,6-Di-tert-butyl-p-kresol

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· MAK (German Maximum Workplace Concentration)

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

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· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements

Void

· Hazard pictograms

Void

· Signal word

Void

· Hazard statements

Void

· **Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

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.

· **Department issuing SDS:**

Environment protection department.

· Date of preparation / last revision

10/26/2017 / 1800

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 4: Acute toxicity – Category 4

Asp. Tox. 1: Aspiration hazard – Category 1

* Data compared to the previous version altered.

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