

# Safety data sheet

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

Printing date 10.06.2015

Version number 1501

Revision: 10.06.2015

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

#### 1.1 Product identifier

Trade name: **Pflegekonzentrat**  
 Article number: 5140-0968

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

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

#### 1.3 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)6251/16-3440  
 Telefax:+49(0)6251/16-2935

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  
 H229 Pressurised container: May burst if heated.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.  
 Hazard pictograms Void  
 Signal word Warning  
 Hazard statements H229 Pressurised container: May burst if heated.  
 Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P251 Do not pierce or burn, even after use.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 Additional information: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

#### 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

synthetic hydrocarbon oil	50-100%
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Description: Synthetic hydrogencarbon-oil, esteroil  
 Active substance with propellant

#### Dangerous components:

2,6-Di-tert-butyl-p-kresol	< 2.5%
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⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319

Additional information: For the wording of the listed risk 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.  
 After inhalation: Supply fresh air; consult doctor in case of complaints.  
 After skin contact: If skin irritation continues, consult a doctor.  
 After eye contact: Rinse opened eye for several minutes under running water.  
 After swallowing: Seek immediate medical advice.

#### 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.

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### 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)
- | **5.3 Advice for firefighters**
  - | Protective equipment: Wear self-contained respiratory protective device.  
Cool endangered receptacles with water spray.
  - | Additional information: 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.  
Ensure adequate ventilation  
Keep away from ignition sources.
- | **6.2 Environmental precautions:**
  - Do not allow to enter sewers/ surface or ground water.
- | **6.3 Methods and material for containment and cleaning up:**
  - Absorb liquid components with liquid-binding material.
- | **6.4 Reference to other sections**
  - 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**
  - | Information about fire - and explosion protection: Keep away from heat and direct sunlight.  
Use explosion-proof apparatus / fittings and spark-proof tools.  
Do not spray onto a naked flame or any incandescent material.
- | **7.2 Conditions for safe storage, including any incompatibilities**
  - | Storage:
    - | Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings with pressurised containers.
    - | Information about storage in one common storage facility: Store away from oxidising agents.  
Store away from foodstuffs.
    - | Further information about storage conditions: Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- | **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.  
The lists valid during the making were used as basis.
  - | Additional information:
- | **8.2 Exposure controls**
  - | Personal protective equipment:
    - | General protective and hygienic measures: Do not eat or drink while working.  
Wash hands before breaks and at the end of work.
    - | Respiratory protection: Not required.
    - | Protection of hands: Protective gloves  
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  
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
  - | Material of gloves

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| Penetration time of glove material

can not be calculated in advance and has therefore to be checked prior to the application.

Value for the permeation: Level  $\leq 0,7$  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.  
 Not required.

| Eye protection:

### SECTION 9: Physical and chemical properties

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

| General Information

| Appearance:

| Form:

Aerosol

| Colour:

Light yellow

| Odour:

Characteristic

| Odour threshold:

Not determined.

| pH-value:

Not determined.

| Change in condition

| Boiling point/Boiling range:

Not applicable, as aerosol.

| Pour point

&lt; -40 °C °C ((DIN ISO 3016))

| Flash point:

&gt; 200 °C ((DIN ISO 2592))

| Flammability (solid, gaseous):

Not applicable.

| Ignition temperature:

| Decomposition temperature:

Not determined.

| Self-igniting:

Product is not selfigniting.

| Danger of explosion:

Not determined.

| Explosion limits:

| Lower:

Not determined

| Upper:

Not determined

| Vapour pressure:

Not determined.

| Density at 20 °C:

0.84 g/cm<sup>3</sup>

| Relative density

Not determined.

| Vapour density

Not determined.

| Evaporation rate

Not applicable.

| Solubility in / Miscibility with

| water:

Not miscible or difficult to mix.

| Partition coefficient (n-octanol/water):

Not determined.

| Viscosity:

| Dynamic:

Not determined.

| Solvent content:

| Organic solvents:

0.0 %

#### | 9.2 Other information

No further relevant information available.

### SECTION 10: Stability and reactivity

#### | 10.1 Reactivity

#### | 10.2 Chemical stability

| Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

#### | 10.3 Possibility of hazardous reactions

No dangerous reactions known.

#### | 10.4 Conditions to avoid

No further relevant information available.

#### | 10.5 Incompatible materials:

No further relevant information available.

#### | 10.6 Hazardous decomposition products:

Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

### SECTION 11: Toxicological information

#### | 11.1 Information on toxicological effects

| Acute toxicity

| LD/LC50 values relevant for classification:

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

Oral | LD50 | 890 mg/kg (rat)

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Primary irritant effect:	
Skin corrosion/irritation	No irritant effect.
Serious eye damage/irritation	No irritating effect.
Respiratory or skin sensitisation	No sensitising effects known.

### SECTION 12: Ecological information

<b>12.1 Toxicity</b>	
Aquatic toxicity:	No further relevant information available.
<b>12.2 Persistence and degradability</b>	No further relevant information available.
<b>12.3 Bioaccumulative potential</b>	No further relevant information available.
<b>12.4 Mobility in soil</b>	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.
<b>12.5 Results of PBT and vPvB assessment</b>	
PBT:	Not applicable.
vPvB:	Not applicable.
<b>12.6 Other adverse effects</b>	No further relevant information available.

### SECTION 13: Disposal considerations

<b>13.1 Waste treatment methods</b>	
Recommendation	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging:	
Recommendation:	Disposal must be made according to official regulations.

### SECTION 14: Transport information

<b>14.1 UN-Number</b>	
ADR, IMDG, IATA	UN1950
<b>14.2 UN proper shipping name</b>	
ADR	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, non-flammable
<b>14.3 Transport hazard class(es)</b>	
ADR	
	
Class	2 5A Gases.
Label	2.2
-----	
IMDG, IATA	
	
Class	2.2
Label	2.2
<b>14.4 Packing group</b>	
ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b>	
Marine pollutant:	No
<b>14.6 Special precautions for user</b>	Warning: Gases.
Danger code (Kemler):	-
EMS Number:	F-D,S-U
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
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Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Transport category	3
Tunnel restriction code	E
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IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

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| UN "Model Regulation":

UN1950, AEROSOLS, 2.2

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### 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

None of the ingredients is listed.

| National regulations:

| Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

#### | 15.2 Chemical safety assessment:

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.

| Department issuing MSDS:

Environment protection department.

| 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  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 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)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

| \* Data compared to the previous  
version altered.