

**Safety data sheet**  
according to Regulation (EC) No 1907/2006 (REACH), as amended by  
2020/878/EU

Printing date 29.08.2024

Version number 2202 (replaces version 2201)

Revision: 29.08.2024

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

#### 1.1 Product identifier

Trade name: **DAC OIL**  
Article number: 5360-0496

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

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

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

Manufacturer/Supplier: Sirona Dental Systems GmbH  
Fabrikstraße 31  
64625 Bensheim  
Deutschland  
<https://www.dentsplysirona.com>  
Tel.: +49 (0) 6251/16-1670

Further information obtainable from: Product Safety Department

#### 1.4 Emergency telephone number:

Advice centre for poisoning in Mainz Tel: +49(0)6131/19240 Poison information:+49(0) 700/GIF TINFO

### 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 GB 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 Mixtures

Description: Synthetic hydrogencarbon-oil, esterol

#### Dangerous components:

2,6-Di-tert-butyl-p-kresol	 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	< 2.5%
----------------------------	--	--------

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.

(Contd. on page 2)

GB

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006 (REACH), as amended by**  
**2020/878/EU**

Printing date 29.08.2024

Version number 2202 (replaces version 2201)

Revision: 29.08.2024

**Trade name: DAC OIL**

(Contd. of page 1)

. For safety reasons unsuitable extinguishing agents:

Full jet water

. **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.  
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

. **6.2 Environmental precautions:**

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

. **6.4 Reference to other sections**

Dispose contaminated material as waste according to section 13.  
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**

. 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.

. **7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

. **8.1 Control parameters**

. Ingredients with limit values that require monitoring at the workplace:

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

WEL | Long-term value: 10 mg/m<sup>3</sup>

. 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 (---)

(Contd. on page 3)

GB

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006 (REACH), as amended by**  
**2020/878/EU**

Printing date 29.08.2024

Version number 2202 (replaces version 2201)

Revision: 29.08.2024

**Trade name: DAC OIL**

(Contd. of page 2)

PNEC fresh water (Süßwasser)	0.004 mg/l (---)
PNEC Marine water	0.004 mg/l (---)
PNEC mikrobiological activity in waste water	100 mg/l (---)

. Additional information: The lists valid during the making were used as basis.

**8.2 Exposure controls**

. Appropriate engineering controls No further data; see section 7.

. Individual protection measures, such as personal protective equipment

. General protective and hygienic measures:

Avoid close or long term contact with the skin.

. Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

. Hand protection

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

. Material of gloves

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.

. Penetration time of glove material

Value for the permeation: Level  $\leq 0,7$  mm 480min (8h) EN374

The determined penetration times according to EN 16523-1:2015 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.

. Eye/face protection

Goggles recommended during refilling

**SECTION 9: Physical and chemical properties**

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

. General Information

. Colour:

Light yellow

. Odour:

Product specific

. Odour threshold:

Not determined.

. Boiling point or initial boiling point and boiling range

Undetermined.

. Flammability

Not applicable.

. Flash point:

> 200 °C

. Decomposition temperature:

Not determined.

. pH

Not determined.

Not applicable.

. Viscosity:

. Kinematic viscosity at 20 °C

25 mm<sup>2</sup>/s

. Kinematic viscosity at 40 °C

25 mm<sup>2</sup>/s

. Dynamic:

Not determined.

Not applicable.

. Solubility

. water:

Not miscible or difficult to mix.

. Partition coefficient n-octanol/water (log value)

Not determined.

. Vapour pressure:

Not applicable.

. Density and/or relative density

. Density at 20 °C:

0.85 g/cm<sup>3</sup>

. Relative density

Not determined.

. Vapour density

Not determined.

**9.2 Other information**

. Appearance:

. Form:

Fluid

. Important information on protection of health and environment, and on safety.

. Ignition temperature:

Product is not selfigniting.

. Explosive properties:

Not determined.

. Change in condition

. Softening point/range

. Pour point

< -40 °C (DIN ISO 3016)

. Evaporation rate

Not determined.

. Information with regard to physical hazard classes

. Explosives

Void

. Flammable gases

Void

. Aerosols

Void

. Oxidising gases

Void

(Contd. on page 4)

GB

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006 (REACH), as amended by**  
**2020/878/EU**

Printing date 29.08.2024

Version number 2202 (replaces version 2201)

Revision: 29.08.2024

**Trade name: DAC OIL**

(Contd. of page 3)

. Gases under pressure	Void
. Flammable liquids	Void
. Flammable solids	Void
. Self-reactive substances and mixtures	Void
. Pyrophoric liquids	Void
. Pyrophoric solids	Void
. Self-heating substances and mixtures	Void
. Substances and mixtures, which emit flammable gases in contact with water	Void
. Oxidising liquids	Void
. Oxidising solids	Void
. Organic peroxides	Void
. Corrosive to metals	Void
. Desensitised explosives	Void

**SECTION 10: Stability and reactivity**

. <b>10.1 Reactivity</b>	No further relevant information available.
. <b>10.2 Chemical stability</b>	
. Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
. <b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known.
. <b>10.4 Conditions to avoid</b>	No further relevant information available.
. <b>10.5 Incompatible materials:</b>	oxidizing agents
. <b>10.6 Hazardous decomposition products:</b>	Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

**SECTION 11: Toxicological information**

. <b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>	
. 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)

. Skin corrosion/irritation	Based on available data, the classification criteria are not met.
. Serious eye damage/irritation	Based on available data, the classification criteria are not met.
. Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
. 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.

. Additional toxicological information:

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

Oral	NOAEL (90d)	100 mg/kg (rat)
------	-------------	-----------------

. **11.2 Information on other hazards**

. Endocrine disrupting properties

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

List II

**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/ Zebrafisch)
NOEC (21d)	> 0.39 mg/l (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.

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

. PBT:	Not applicable.
. vPvB:	Not applicable.

(Contd. on page 5)

GB

# Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH), as amended by  
2020/878/EU

Printing date 29.08.2024

Version number 2202 (replaces version 2201)

Revision: 29.08.2024

**Trade name: DAC OIL**

(Contd. of page 4)

**. 12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

**. 12.7 Other adverse effects**

. 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.

**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 or ID 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

**. 14.4 Packing group**

. ADR, IMDG, IATA

Void

**. 14.5 Environmental hazards:**

. Marine pollutant:

No

**. 14.6 Special precautions for user**

Not applicable.

**. 14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

. UN "Model Regulation":

Void

**SECTION 15: Regulatory information****. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

. Poisons Act

. Regulated explosives precursors

None of the ingredients is listed.

. Regulated poisons

None of the ingredients is listed.

. Reportable explosives precursors

None of the ingredients is listed.

. Reportable poisons

None of the ingredients is listed.

. Directive 2012/18/EU

. Named dangerous substances - ANNEX I

None of the ingredients is listed.

**. 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 SDS:

Environment protection department.

. Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

(Contd. on page 6)

GB

**Safety data sheet**  
according to Regulation (EC) No 1907/2006 (REACH), as amended by  
2020/878/EU

Printing date 29.08.2024

Version number 2202 (replaces version 2201)

Revision: 29.08.2024

**Trade name: DAC OIL**

(Contd. of page 5)

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

\* Data compared to the previous  
version altered.

GB