

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2010

Revision: 14.04.2010

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** Arcuplat Leitsilberlack

- **Application of the substance / the preparation** Coating material

- **Manufacturer/Supplier:**

Wieland Dental + Technik GmbH & Co.KG

Schwenninger Str. 13

75179 Pforzheim

Telefon + 49 (07231)-37050, Telefax + 49 (07231)-357959

- **Further information obtainable from:**

Abteilung Umweltschutz

Marcus.Mueller@wieland-dental.de

- **Information in case of emergency:**

+49 (07231)-37050

(Be kindly advised that this number can only be contacted at usual office hours.)

2 Hazards identification

- **Hazard description:**



F Highly flammable

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotizing effect.

R 11 Highly flammable.

R 67 Vapours may cause drowsiness and dizziness.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Lacquer on the basis of the following fillers, resins and other components.

- **Dangerous components:**

CAS: 1569-02-4 EINECS: 216-374-5	1-ethoxypropan-2-ol	R 10-67	25-50%
CAS: 64-17-5 EINECS: 200-578-6	ethanol	F; R 11	10-25%
CAS: 67-64-1 EINECS: 200-662-2	acetone	Xi, F; R 11-36-66-67	5-10%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate	Xi, F; R 11-36-66-67	1-5%
CAS: 84-74-2 EINECS: 201-557-4	dibutyl phthalate	Repr. Cat. 2, 3; T, N; R 61-62-50	≤ 1%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **General information:**

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2010

Revision: 14.04.2010

Trade name: Arcuplat Leitsilberlack

(Contd. of page 1)

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Call a doctor immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Mount respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Use large quantities of foam as it is partially destroyed by the product.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Ensure adequate ventilation
- **Measures for environmental protection:**
Prevent seepage into sewage system, workpits and cellars.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2010

Revision: 14.04.2010

Trade name: Arcuplat Leitsilberlack

(Contd. of page 2)

Ingredients with limit values that require monitoring at the workplace:
64-17-5 ethanol
WEL Long-term value: 1920 mg/m³, 1000 ppm
67-64-1 acetone
WEL Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm
141-78-6 ethyl acetate
WEL Short-term value: 400 ppm
Long-term value: 200 ppm
84-74-2 dibutyl phthalate
WEL Short-term value: 10 mg/m³
Long-term value: 5 mg/m³

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

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

· **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.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

Form: Suspension
Colour: Grey
Odour: Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** 12°C (DIN 51755 Part 1)

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower: 1.3 Vol %

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2010

Revision: 14.04.2010

Trade name: Arcuplat Leitsilberlack

(Contd. of page 3)

Upper:	19 Vol %
· Density at 20°C:	ca. 1.7 g/cm ³
· Solubility in / Miscibility with water:	Soluble.
· Viscosity:	
 Kinematic at 23°C:	411 mm ² /s

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with oxidizing agents.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

84-74-2 dibutyl phthalate

Oral	LD50	8000 mg/kg (Ratte)
Dermal	LD50	20000 mg/kg (rbt)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

- **Product:**

- **Recommendation**

Contact manufacturer for recycling information.
 Must be specially treated adhering to official regulations.
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging:**

- **Recommendation:**

Packaging may be reused or recycled after cleaning.
 Packagings that may not be cleansed are to be disposed of in the same manner as the product.

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2010

Revision: 14.04.2010

Trade name: Arcuplat Leitsilberlack

(Contd. of page 4)

· Recommended cleansing agents: Alcohol

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: 3 (F1) Flammable liquids.
- Danger code (Kemler): 33
- UN-Number: 1263
- Packaging group: III
- Description of goods: 1263 PAINT (with a flash point below 23°C and viscous according 2.2.3.1.4) (vapor pressure at 50°C at most 110 kPa)
- Limited quantities (LQ) LQ7
- Transport category 3
- Tunnel restriction code D/E

· Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1263
- Label 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: No
- Proper shipping name: PAINT

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1263
- Label 3
- Packaging group: III
- Proper shipping name: PAINT

15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:

F Highly flammable

· Risk phrases:

- 11 Highly flammable.
- 67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

- 7/9 Keep container tightly closed and in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

(Contd. on page 6)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2010

Revision: 14.04.2010

Trade name: Arcuplat Leitsilberlack

(Contd. of page 5)

- 33 Take precautionary measures against static discharges.
- 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
- 60 This material and its container must be disposed of as hazardous waste.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
I	0.4

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

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

84-74-2	dibutyl phthalate
---------	-------------------

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.

· **Relevant R-phrases**

- 10 Flammable.
- 11 Highly flammable.
- 36 Irritating to eyes.
- 50 Very toxic to aquatic organisms.
- 61 May cause harm to the unborn child.
- 62 Possible risk of impaired fertility.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

- **Department issuing MSDS:** Abteilung Umweltschutz

- **Contact:** Herr Marcus Müller

- *** Data compared to the previous version altered.**

GB