

1 Identification of the mixture and of the company/undertaking

Product name: ESTETIC S powder, ESTETIC SPECIAL powder.

Use of the mixture: Solid component for self-curing resin used in dental prosthetics.

Company/undertaking identification

Manufacture: Wytwórnia Zębów Sztucznych "WIEDENT" Sp. Jawna, 94-104 Łódź, Obywatelska Str 187/189, tel. +48 (42) 640 48 70, fax +48 (42) 688 33 84, e-mail:office@wiedent.com.pl

E-mail address of person responsible for this SDS: a.suskiewicz@wiedent.com.pl

Emergency telephone number: +48 (42) 640 48 70

2 Hazards identification

Classification according to dangerous product regulations incl. Directive 1999/45/EC.

Physicochemical hazards:

Mixture is not classified as hazardous.

To people:

R43 - May cause sensitisation by skin contact

To the environment:

Mixture is not classified as hazardous. See also point 12.

Additional information:

Hardly ignitable, flammable product. When using development of explosive dust/air mixture possible.

3 Composition/information on ingredients

Substance name	Concentration In % vol.	CAS number	EC number	EEC number	Classification
Dibenzoyl peroxide	1≤C≤5 %	94-36-0	202-327-6	617-008-00-0	E; R2 Xi; R36, R43 Note T

Substance is classified according to table 3.2 in Annex VI to regulation (EC) on classification, labelling and packaging of substances and mixtures in January 2009.

For complete wording if the R-phrases, refer to point 16.

4 First-aid measures

Inhalation: Remove person from danger area, supply with fresh air and consult doctor according to symptoms.

Eye contact: Rinse immediately with plenty of water, lifting lower and upper eyelids occasionally. Get medical attention.

Skin contact: Wash thoroughly with water – remove contaminated clothing immediately. If skin irritation occurs (redness, blisters, etc.), consult doctor.

Ingestion: do not induce vomiting. Rinse mouth and consult doctor if necessary.

Further treatment: Symptomatic treatment.

5 Fire-fighting measures

Suitable extinguishing media: foam, ABC powder, BC powder, carbon dioxide (CO₂).

Extinguishing media, which must not be used for safety reasons: water, D powder.

Special exposure hazards arising from the mixture, combustion products, resulting gases: in case of fire or thermal decomposition the following can develop:

Toxic, irritant and flammable vapours.

Development of dust/air mixture flammable at high temperature possible.

Minimal temperature of ignition measured for dust/air mixtures of similar polymer is app.480 °C (IEC 1241-2-1)

Special protective equipment for fire-fighters: depending on intensity of fire wear full protective clothing and approved self-contained breathing apparatus with independent air supply.

Further information: dispose of used extinguishing media according to official regulations.

6 Accidental release measures

Personal precautions: Caution – risk of slipping. Avoid contact with skin.

Environmental measures: Prevent from entering drainage system. Prevent surface and ground-water infiltration, as well as ground penetration. In case of contamination of drains, streams, watercourses etc. inform competent authority.

Methods for cleaning-up: Avoid inhalation. Collect in properly labelled, sealed drums for safe disposal according to point 13. Flush contaminated areas with water.

7 Handling and storage

Handling: Use in well-ventilated areas away from any sources of flames, sparks, ignition etc. Do not smoke. Eating, drinking, as well as food storage is prohibited in work-room. Use working methods according to operating instructions. Avoid contact with eyes and skin.

Storage: Store in the closed, original container in room temperature. Store in a dry, cool and well ventilated area out of direct sun.

Specific uses: For repairing dentures and orthodontics bases, for making temporary crowns and bridges. Do not use in heat-curing process.

8 Exposure controls/personal protection

Additional technical measures:

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under WEL, suitable breathing protection should be worn.

Exposure standards:

Dibenzoyl peroxide

USA:

OSHA (PEL) 5 mg/m³

ACGIH (TLV-TWA) – 5 mg/m³

Belgium, France, United Kingdom, Germany, Denmark

TLV-TWA – 5 mg/m³

Poland

TLV-TWA - 5 mg/m³ ; STEL - 10 mg/m³

Dust

USA:

OSHA (PEL) 15 mg/m³ (total particulate, not otherwise regulated); 5 mg/m³ (respirable particulate, not otherwise regulated);

ACGIH (TLV) – 10 mg/m³ (inhalable/total particulate, not otherwise regulated); 3 mg/m³ (respirable particulate, not otherwise regulated);

Poland

TLV-TWA - 10 mg/m³ (total particulate, not otherwise regulated);

Biological limit values:

Not allocated.

Individual protection measures:

Remove immediately contaminated clothing. Wash hands before breaks and at end of work. Eating, drinking and smoking is prohibited in work-room. Avoid contact with skin and eyes.

Respiratory protection:

Under short-term exposure to small concentrations worn respirator with filter A. For emergencies or instances where the exposure levels are not known use respirator with independent air supply.

Hand protection:

Wear protective gloves in butyl rubber. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures the resistance of glove material cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed. Protective hand cream recommended.

Eye protection:

Normally not necessary.

Skin protection :

Depending of exposure, light protective working garments, long-sleeved, safety shoes etc.

9 Physical and chemical properties

Appearance	granules
Colour	white
Odour	like methacrylate
pH	not applicable
Boiling temperature	not applicable
Melting temperature	not determined
Flash point	not determined
Auto flammability temperature	not determined
Explosion limits	not determined
Oxidising properties	not applicable
Vapour pressure	not applicable
Density	1100-1180 kg/m ³
Bulk density	~550-750 kg/m ³
Water solubility	practicable insoluble
Solubility (others)	not determined
Coefficient n-octanol/water	not applicable
Viscosity	not determined

10 Stability and reactivity

Stability: Stable under normal storage and handling conditions.

Conditions to avoid: Not known

Hazardous reactions: Not known

Hazardous decomposition products: Not forming under normal handling.

11 Toxicological information

Inhalation: limited likelihood to induce dangerous effects.

Skin contact: limited likelihood to induce skin irritation under normal conditions of use. Compounds forming in reaction with organic solvents may cause allergic reaction, particularly at sensitive persons.

Eye contact: dust may cause irritation.

Ingestion: low toxicity.

Long-term contact: No data

Exposure routes: :

Skin contact.

Acute and chronic effects due to long-term exposure:

May cause skin irritation due to direct contact.

Clinical effects due to exposure:

It may cause allergenic reactions at sensitive persons.

12 Ecological information

Limited ability to bioaccumulation. Practicable insoluble in water. Immobile in soil.

Biodegradation: No data about biodegradation in water or in soil.

It may be slightly toxic to water organisms.

Insoluble in water – may be separated by filtration or sedimentation in sewage plants.

13 Disposal considerations

Non-use product is not classified as hazardous.

The packaging may be disposed with communal wastes.

Processing, use or contamination of this product may change the waste management options. Handling of wastes – Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste

Classification of wastes according to Waste Directive 2006/12/EC of The European Parliament and of The Council of 5 April 2006 on waste

Hazardous Waste Directive 91/689/EC

Commission Decision on the list of the most common wastes and of hazardous waste (EWC2002) 2000/532/EC and Revised list 2001/118/EC (EWL) European Directive 2000/532/EC, Council Decision 2001/118/EEC with additions:

Pay attention to local and national official regulations.

14 Transport information

Non-dangerous material according to Transport Regulations.

15 Regulatory information

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

Labelling:

Symbol:

XI



Irritant

Risk phrases:

R43 - May cause sensitisation by skin contact

Safety phrases:

S24 – Avoid contact with skin.

S37 - Wear suitable gloves.

16 Other information

Text of R phrases mentioned in point 3:

R2 – Risk of explosion by shock, friction, fire or other source of ignition

R36 - Irritating to eyes

R43 - May cause sensitisation by skin contact.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.