

1. Identification

Product name: TempSpan® Temporary Crown and Bridge Material-Base
Recommended use: Dental product
Restrictions on use: Restricted to professional users
Manufacturer: Pentron Clinical
 1717 West Collins Avenue
 Orange, CA 92867-5422 - U.S.A.
 T 1-800-551-0283 (Customer Service)
Emergency number: (Chemical Spills, Leaks, Fire, Exposure or Accident only):
 CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)
Issue date: 12/09/2020

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Not classified	Carcinogenicity Category 2 Reproductive toxicity Category 1B

GHS US labeling:

Danger!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H351 - Suspected of causing cancer H360 - May damage fertility or the unborn child	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear eye protection. P308+P313 - If exposed or concerned: Get medical advice/attention. P405 - Store locked up. P501 - Dispose of contents or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Calcium aluminum borosilicate	65997-17-3	60-80

Component	CAS-No.	Amount (%)
Pyrogenic (Fumed) Amorphous Silica	68909-20-6	1-5
N,N-dimethyl-p-toluidine	99-97-8	0.1-1
Ethyl 4-dimethylaminobenzoate	10287-53-3	0.1-1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to the fresh air. Get medical attention if symptoms occur.

Skin: Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.

Eyes: Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.

Ingestion: Call a poison center or a doctor if you feel unwell.

Symptoms/effects: Product dust may cause mechanical irritation to the skin and mucous membranes. May cause eye irritation. This product may cause reproductive harm and/or developmental effects. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Immediate medical attention and special treatment, if necessary: Not required.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible. Thermal decomposition generates: Carbon oxides (CO, CO₂). Nitrogen oxides. Metallic oxides.

Special protective equipment and precautions for fire-fighters: Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Always wash hands after handling the product. Do not breathe dust.

Methods and material for containment and cleaning up: Stop leak, if possible without risk. Do not touch or walk on the spilled product. Absorb with an inert material and place in an appropriate waste disposal container. Avoid dust formation. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Wash hands with water and soap. Do not breathe dust. Ensure adequate ventilation.

Storage conditions: Store in dry, cool, well-ventilated area. Keep in original containers. Keep container closed when not in use.

8. Exposure controls/personal protection

Exposure guidelines:

Pyrogenic (Fumed) Amorphous Silica	20 mppcf TWA OSHA PEL;
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Calcium aluminum borosilicate	None established.
N,N-dimethyl-p-toluidine	None established.
Ethyl 4-dimethylaminobenzoate	None established.

Appropriate engineering controls: No particular/specific measures required.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear suitable gloves

Eye protection: Use suitable eye protection

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Wear respiratory protection. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Appearance: Paste.

Physical state : Solid

Color : Various

Odor : Fruity

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : Not applicable

Boiling point : No data available

Flash point : Not applicable

Relative : No data available

evaporation rate
(butyl acetate=1)

Flammability : Non flammable.
(solid, gas)

Vapor pressure : No data available

Relative vapor : No data available
density at 20 °C

Relative density : No data available

Specific gravity / : 1.4 g/m³
density

Solubility : Slightly soluble in: water.

Partition : No data available

coefficient n-
octanol/water
(Log Pow)

Auto-ignition : Not applicable
temperature

Decomposition : No data available
temperature

Viscosity, : Not applicable
kinematic

Viscosity, : No data available
dynamic

Explosion limits : Not applicable

Explosive : No data available
properties

Oxidizing : No data available
properties

No additional information available

10. Stability and reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Protect from sunlight. Keep away from heat and flame.

Incompatible materials : Oxidizing agent. reducing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Skin: Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Eyes: Dust from this product may cause eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: This product may cause reproductive harm and/or developmental effects.

Carcinogenicity:	Suspected of causing cancer.
Pyrogenic (Fumed) Amorphous Silica:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Calcium aluminum borosilicate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
N,N-dimethyl-p-toluidine:	IARC 2B - Possibly carcinogenic to humans;
Ethyl 4-dimethylaminobenzoate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Germ cell mutagenicity:	Not classified
Reproductive toxicity:	May damage fertility or the unborn child.

Numerical measures of toxicity:

The following are the toxicity values for the components:

Pyrogenic (Fumed) Amorphous Silica:	Oral rat LD50- > 5000 mg/kg; Dermal rabbit LD50- > 2000 mg/kg;
Calcium aluminum borosilicate:	Oral rat LD50- > 2000 mg/kg;
N,N-dimethyl-p-toluidine:	Oral rat LD50- 980 mg/kg; Dermal rabbit LD50- < 935 mg/kg (>468 mg/kg);
Ethyl 4-dimethylaminobenzoate:	Oral rat LD50- > 2000 mg/kg; Dermal rat LD50- > 2000 mg/kg;
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified

12. Ecological information

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Ecotoxicity:

Pyrogenic (Fumed) Amorphous Silica	10000 mg/L Fish LC50
Calcium aluminum borosilicate	1000 mg/L Fish LC50
N,N-dimethyl-p-toluidine	46 mg/L Fish LC50; 23.758 mg/L Daphnia EC50; 15.481 mg/L Algae ErC50
Ethyl 4-dimethylaminobenzoate	1.9 mg/L Fish LC50; 4.5 mg/L Daphnia EC50; 2.8 mg/L Algae ErC50

Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

14. Transport information**Department of Transportation (DOT)**

Not regulated for transport

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

15. Regulatory information

SARA Section 313 - Emission Reporting: Not subject to reporting requirements of the United States SARA Section 313

CERCLA Section 103:


This product is not subject to reporting under CERCLA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

 **WARNING:** This product can expose you to N,N-dimethyl-p-toluidine, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

INTERNATIONAL INVENTORIES

Australia AICS: One or more ingredient(s) are not listed

Canada DSL: All the components are listed.

China IECSC: One or more ingredient(s) are not listed

EU EINECS: One or more ingredient(s) are not listed

Japan ENCS: One or more ingredient(s) are not listed

Korea KECL: One or more ingredient(s) are not listed

New Zealand: One or more ingredient(s) are not listed

Philippines PICCS: One or more ingredient(s) are not listed

Taiwan CSNN One or more ingredient(s) are not listed

16. Other information

Revision date : 12/09/2020

NFPA	
NFPA health hazard:	1
NFPA fire hazard:	0
NFPA reactivity:	0

NOTICE

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, Pentron Clinical makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.