

Safety Data Sheet

Section 1: Identification of the material and the Supplier

Product identifier	Brite Gold
Product use	Manufacture of dental prosthesis. Dental alloy.
Distributor information	
Company identification	Ivoclar Vivadent (NZ) Ltd
Address	12 Omega Street, Rosedale, Auckland, New Zealand
Telephone Number	0508 486 252
Emergencies within New Zealand	0800 764 766 (National Poison Control Centre)

Section 2: Hazards Identification

Classification of the substance or mixture:	
Classification according to Regulation (EC) No 1272/2008	The product is not classified according to the CLP regulation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC	Not applicable.
Information concerning particular hazards for human and environment	Avoid breathing of grinding dust and vapours. Melted material may cause burns.
Classification system	The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
Label elements:	
Labelling according to Regulation (EC) No 1272/2008	Void.
Hazard pictograms	Void.
Signal Word	Void.
Hazard statements	Safety data sheet available on request.
Additional information:	Alloys do not require a label, providing they do not present a hazard to human health by inhalation, ingestion or contact with skin or to the aquatic environment in the form in which they are placed on the market.
Other hazards:	
Results of PBT and vPvB assessment:	
PBT	Not applicable.
vPvB	Not applicable.

Section 3: Composition/Information on Ingredients

Chemical characterization	Mixtures.
Description	Dental alloy.

Dangerous components:

CAS: 7440-06-4	platinum	O R8	1-<3%
EINECS: 231-116-1		Ox. Sol. 2, H272	

Additional information	For the wording of the listed risk phrases refer to section 16.
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Section 4: First Aid Measures

Description of first aid measures:

General information	No special measures required.
After inhalation	Grinding dust: Supply fresh air; consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation.
After skin contact	After contact with the molten product, cool rapidly with cold water.
After eye contact	Grinding dust: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Mechanical effects only.
After swallowing	Seek medical treatment.
Information for doctor:	
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

Section 5: Fire Fighting Measures

Extinguishing media:

Suitable extinguishing agents	The product is not flammable.
Special hazards arising from the substance or mixture	No further relevant information available.
Advice for firefighters:	
Protective equipment	Do not inhale explosion gases or combustion gases.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Not required.
Environmental precautions	No special measures required.
Methods and material for containment and cleaning up	Pick up mechanically.
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

Handling:

Precautions for safe handling	Extractors are required on all machines used for thermal processing or splinter removal processes.
Information about fire - and explosion protection	No special measures required.
Conditions for safe storage, including any incompatibilities:	
Storage:	
Requirements to be met by storerooms and receptacles	No special requirements.
Information about storage in one common storage facility	Not required.
Further information about storage conditions	None.
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.
Control parameters:	
Ingredients with limit values that require monitoring at the workplace	7440-06-4 platinum WEL () Long-term value: 5 mg/m ³
Additional information	The lists valid during the making were used as basis.
Exposure controls:	
Personal protective equipment:	
General protective and hygienic measures	Usual hygienic measures for dental practice.
Respiratory protection	Use respiratory protective device against the effects of fumes/dust/aerosol.
Protection of hands	Protective gloves should always be worn during mechanical and thermal processing. After use of gloves apply skin-cleaning agents and skin cosmetics.
Material of gloves:	
Mechanical processing	Leather gloves. Strong material gloves.
Thermal processing	Heat protection gloves.
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	Always wear safety goggles during mechanical processing (grinding, sawing/cutting, drilling, milling).

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:	
General Information:	
Appearance:	
Form	Solid
Colour	Yellow
Odour	Odourless
Odour threshold	Not determined
pH-value	Not applicable
Change in condition:	
Melting point/Melting range	1030–1070 °C
Boiling point/Boiling range	Undetermined
Flash point	Not applicable
Flammability (solid, gaseous)	Not determined
Self-igniting	Product is not self-igniting
Danger of explosion	Product does not present an explosion hazard
Explosion limits:	
Lower	Not determined
Upper	Not determined
Vapour pressure	Not applicable
Density at 20 °C	19 g/cm ³

Relative density	Not determined
Vapour density	Not applicable
Evaporation rate	Not applicable
Solubility in/Miscibility with water	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity:	
Dynamic	Not applicable
Kinematic	Not applicable
Solvent content:	
Solids content	100%
Other information	No further relevant information available

Section 10: Stability and Reactivity

Reactivity	No further relevant information available.
Chemical stability	Stable under normal handling and storage conditions.
Thermal decomposition/ conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	None under normal conditions of storage and use.

Section 11: Toxicological Information

Information on toxicological effects:	
Acute toxicity:	
Primary irritant effect:	
On the skin	No irritant effect.
On the eye	No irritating effect.
Sensitization	No sensitizing effects known.
Additional toxicological information:	Fumes or dusts generated from cutting or grinding operations may cause respiratory irritation.

Section 12: Ecological Information

Toxicity:	
Aquatic toxicity	No further relevant information available.
Persistence and degradability	No further relevant information available.
Behaviour in environmental systems:	
Bio accumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Additional ecological information:	
General notes	Generally not hazardous for water.
Results of PBT and vPvB assessment:	
PBT	Not applicable.
vPvB	Not applicable.

Other adverse effects	No further relevant information available.
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Section 13: Disposal Considerations

Waste treatment methods:

Recommendation Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

European waste catalogue

20 01 40	metals
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Uncleaned packaging:

Recommendation Disposal must be made according to official regulations.

Section 14: Transport Information

This product is not a Dangerous Good for Road and Rail transport in New Zealand according to NZS 5433 Safe Transport of Dangerous Goods.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Other regulations, limitations and prohibitive regulations The product is a medical device according to the EC-directive 93/42/EEC.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

Relevant phrases	H272	May intensify fire; oxidiser.
	R8	Contact with combustible material may cause fire.

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