



1. Substance / Preparation and Company name

Product Name: Permite; Lojic +; GS-80, GS-80 Spherical; F400, Ultrafine, New Ultrafine
SDI Admix; SDI Spherical and Ultratabs.
Alloy powder and Tablets

Recommended use: For filling of cavitated teeth by dental professionals.

Manufacturer / Supplier

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2. Composition / Information on ingredients

Tablets and Alloy Powder

Non Toxic alloy powder; Non-Hazardous

<u>Ingredients:</u>	<u>Wt. %</u>	<u>CAS No.</u>
Silver	40-70%	7440-22-4
Copper	5-30%	7440-50-8
Tin	20-30%	7440-31-5
Indium	0-0.5%	7440-74-6
Zinc	0-0.5%	7440-66-6

3. Hazard Identification:

Non-hazardous material

4. First Aid Measures

If inhaled: Supply fresh air, consult doctor in case of complaints.

If ingested: Rinse out mouth and then drink plenty of water.

On skin contact: Generally the product does not irritate skin.

On contact with eyes: Rinse opened eye for several minutes under running water. Call a physician.



5. Fire Fighting Measures

Suitable extinguishing media: CO₂, powder or water spray.

Special protective equipment: No special measures required.

6. Accidental Release Measures

Personal precautions: Not required.

Environmental precautions: Prevent any spillage from entering drains or waterways.

Methods for cleaning up: Pick up mechanically.

7. Handling and storage

Handling

Product is intended for dental use only. Observe normal care for working with chemicals. No special measures required.

Storage

No Special requirements. Protect from humidity and water.

8. Exposure controls and personal protection

8-Hour TWAs: Silver - 0.01 mg/m³ (OSHA/Germany); 0.1 mg/m³ (ACGIH/U.K. & NOHSC/Australia)
Tin - 2 mg/m³ (OSHA/ACGIH/Germany & NOHSC/Australia); 5 mg/m³ (U.K.);
Copper - 1 mg/m³ (OSHA/ACGIH/Germany/UK & NOHSC/Australia)
Indium - 0.1 mg/m³ (OSHA/UK & NOHSC/Australia)
Zinc - 1 mg/m³ (ACGIH)

These levels are not anticipated under foreseeable use conditions.

Personal protective equipment

Respiratory equipment: None required under normal use conditions.

Hand protection: Impervious gloves.

Eye protection: Safety glasses.

General safety and hygiene measures: Use only as directed. Wash hands after use.



9. Physical and chemical properties

Form and Colour:	Powder: Bluish-grey silver alloy powder Tablets: Silver-grey compressed silver alloy powder
Odour:	Odourless
Melting point / melting range:	Undetermined (greater than 500°C)
Boiling point / boiling range:	Undetermined (greater than 500°C)
Flash point:	Not applicable
Explosion limits:	Not applicable
Ignition temperature:	Not applicable
% Volatiles:	Not applicable
Solubility in water:	Insoluble
Solubility in other solvents:	0.0%
Solids content	100%

10. Stability and Reactivity

Thermal decomposition: No decomposition under normal conditions

Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological information

Critical hazards to man: No irritant effect.

Critical hazards to the environment: Not available.



12. Ecological information

German "Wassergefahrdungs Klasse (WGK):3

This product must not enter effluent, ground water, surface water or the soil.

13. Disposal considerations

Product: Dispose of in accordance with local regulations.

The 1991 Environmental Protection (Duty of Care) Regulations SI No. 2839 and amendments should be noted (United Kingdom).

14. Transport information

Shipping name: None

Dangerous goods class: None

UN/NA Number: None

ADR Number: None

Packing Group: None

Class: None

IATA Limits: N/A

IMDG Limits: N/A

15. Regulatory information

These products are regulated by:

TGA

Medical Devices Directives 93/42/EEC

FDA

National regulations



MATERIAL SAFETY DATA SHEET [according to GHS & NOHSC: 2011(2003)]

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**Product: PERMITE; LOJIC +; GS-80; GS-80 SPHERICAL; F400; ULTRAFINE ;
SDI ADMIX; SDI SPHERICAL, NEW ULTRAFINE AND ULTRATABS
ALLOY POWDER AND TABLETS.**

Date / Revised: 24.01.2011

Revision: 2

16. Other information

Preparation of MSDS:

Prepared by: SDI Limited
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The information contained in the Material Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.

Department issuing MSDS: Research and Development
Contact: Operations Director
