

Document Detail

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Approvals

<u>Role</u>	<u>Sign-off By</u>	<u>Sign-off Date</u>
Caulk Document Control	Michelle Wilson	20-May-2013 12:58 pm GMT
Caulk Tech Research Approver	Rick Bennett	20-May-2013 5:05 pm GMT
Caulk Marketing Approver	Nickki Sparacino	20-May-2013 1:08 pm GMT
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Reference

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0070-Unison RHP [2]	Unison DMR Index Revision History Page	Master Document

**DENTSPLY/International
DENTSPLY/Caulk
Safety Data Sheet**

557899

1. Identification

Product Name Unison[®]	SDS Code Number 557899
Substance Identity Unison[®] Spherical Alloy (Capsules)	Date of Last Revision 05/9/13
Manufacturer: DENTSPLY Caulk	Address 38 West Clarke Avenue Milford DE 19963-1805 http://www.caulk.com http://www.dentsply.com
Grades or Minor Variant Identities 1, 2, or 3 Spill	Information Telephone Number (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
Product Use (for Canada) Dental Amalgam Filling Material	Emergency Telephone Number (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)

2. Hazard(s) Identification

Warning

**May be harmful if swallowed.
Call a Poison Center or Physician if you feel unwell.**

3. Composition/Information on Ingredients

Hazardous Components	EC Number	C.A.S. Number	Exposure Limits	%
Silver	231-131-3	7440-22-4	0.1 mg/M ³	56
Tin	231-141-8	7440-31-5	2 mg/M ³	29
Copper	231-159-6	7440-50-8	1 mg/M ³	15

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Immediately flush eyes with copious amounts of water for 15 minutes. Seek medical attention if irritation or discomfort persists.	Not Applicable	Not Applicable
Skin	Wash thoroughly with soap and water.	Not Applicable	Not Applicable
Inhalation	Gently blow nose and irrigate with clean water. Consult physician if irritation persists.	Not Applicable	Not Applicable
Ingestion	If swallowed consult physician.	Not Applicable	Ingestion of alloy may cause GI tract irritation, nausea or diarrhea. TOXICITY: LD ₅₀ >5000mg/kg. Low order of toxicity is expected if material is ingested.
Other:	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.			

5. Fire and Explosion Data

Flashpoint Method: Not Applicable	Flammable (Explosive) Limits in Air LEL: Not Applicable UEL: Not Applicable	Autoignition Temperature: Not Applicable. Product will not autoignite.	Other: Not Applicable
Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: Not Applicable	
Extinguishing Media: Use dry powder extinguishing media.		Extinguishing Media to Avoid: Water with full jet.	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.			
Unusual Fire and Explosion Hazards: Large quantities of metal powder in air may cause a fire or explosion hazard due to dusting. Molten metal can ignite combustibles in common with most powdered materials; this product should be treated as a combustible dust in the finely divided and suspended state. No dangerous decomposition products known. In large quantities product may present an explosion hazard due to dusting.			

6. Accidental Release Measures

Containment Techniques: Material is a grey metallic dry powder. Store only in the original package. The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort		
Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of drying out the skin. Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.		
Evacuation Procedures: Not Applicable	Special Instructions: Not Applicable	Reporting Requirements: Not Applicable

7. Handling and Storage

Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.

Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a cool dry area. Store away from food and beverages. Minimize dust generation and accumulation. Avoid breathing dust and contact with eyes. Observe normal warehouse handling procedures. The avoidance of any air contaminant is always a recommended practice.

8. Exposure Control / Personal Protection



Ventilation: Ensure adequate ventilation, by either natural or mechanical means to keep exposure levels below PEL.		Other Engineering Controls: Not Applicable
Routes of Entry	Personal Protective Equipment (PPE) for Normal Use	PPE for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable, resistant to the product and prevent skin exposure.	Not Applicable
Inhalation	Use sufficient natural or mechanical ventilation to keep vapor exposure level below PEL.	Not Applicable
Body Protection	Protective work clothing such as lab coat to prevent skin exposure.	Not Applicable
General Hygiene Considerations and Work Practices: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin. Do not eat, drink or smoke when using.		
Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable		Other Protective Measures and Equipment: Not Applicable

9. Physical and Chemical Characteristics

Appearance: Grey colored, dry metallic powder or may be formed into pellets.		Odor: None
Normal Physical State: Metallic powder or may be formed into pellets.		Melting Point: Approximately 970°C (1778°F)
Specific Gravity: 9.6 g/cm ³	Solubility in Water: Not soluble	pH: Not Applicable
Vapor Pressure (mm Hg): Not Applicable	Vapor Density (AIR=1) Not Applicable	Evaporation Rate (Butyl Acetate =1) Not Applicable
Other: Not Applicable		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Strong mineral acids, hydrogen peroxide, acetylene, and ethylenimine.		
Hazardous Products Produced During Decomposition: None.		
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: None known	
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: None known	

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data:
Product not considered hazardous. TOXICITY: LD ₅₀ >5000mg/kg.

12. Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Product not considered hazardous.
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13. Disposal Considerations

Regulations: The product or individual components may be salvaged or reclaimed for reuse. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations. Pick up powder by carefully sweeping, vacuuming or wet mopping spilled material into an acceptable closed waste container. Avoid generating airborne dust.
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

14. Transport Information

Regulated for Shipping: No	DOT Shipping Name: Not Regulated	Packing Group: Not Applicable	
Do Changes in Quantities, packaging, or shipment method change product classification? NO		DOT Hazard Class: Not Applicable	UN Number: Not Applicable
DOT Labels Required (49CFR172.101): Not Applicable			Other: Not Applicable

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labeling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.
U.S. Federal Regulations: CERCLA 103 Reportable Quantity: None.
EPCRA Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None.
EPCRA Section 302 Extremely Hazardous Substances EHS (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: All of the components are listed on the TSCA inventory.
U.S. State Regulations California Proposition 65: None
Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.
European Community Labeling: Not Applicable.
European Inventory of New and Existing Chemicals Substances (EINECS): This product is a medical device and not subject to chemical notification requirements.
Other: Not Applicable

16.Other Information

To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex.

All components are synthetically produced; none are derived from animal products.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.