

# MATERIAL SAFETY DATA SHEET

## SECTION I – Product/Company Identification

**1.1 Product Trade Name:** **DISPERSALLOY<sup>®</sup> DISPERSED PHASE ALLOY (Capsules)**  
**1.2 Part (Item) Number:** **656024-656027, 656261-656293, 65652861-6562893**  
**All Package Configurations Containing Capsules**  
**1.3 Division Name:** DENTSPLY Caulk  
**1.4 Address:** 38 West Clarke Avenue  
**City State Zip:** Milford DE 19963-0359  
**1.5 Emergency Telephone Number:** (800) 424-9300 (Chemtrec)  
**1.6 Telephone Number for Information:** (302) 422-4511  
**1.7 Date Prepared:** 09/20/95 Date Revised 11/02/98

## SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Components - Alloy</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silver	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
Tin	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Copper	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

**This product contains mercury, a chemical known to the State of California to cause birth defects or other reproductive harm.**

## SECTION III - Physical/Chemical Characteristics

<b>3.1 Boiling point:</b> N. A.	<b>3.6 Specific Gravity:</b> 9.6 g/cm <sup>3</sup>
<b>3.2 Vapor pressure:</b> N. A.	<b>3.7 Melting Point:</b> Approx. 970°C
<b>3.3 Vapor density:</b> N. A.	<b>3.8 Evaporation rate:</b> N. A.
<b>3.4 Solubility in water:</b> Not Soluble	
<b>3.5 Appearance and odor:</b> A metallic grayish free flowing powder with no odor.	

## SECTION IV - Fire and Explosion Hazard Data

**4.1 Flash point (method used):** N. A.  
**4.2 Flammability (explosive limits):** N. A.  
LEL: N.A. UEL: N.A.  
**4.3 Extinguishing media:** Use dry powder extinguishing media.  
**4.4 Special fire fighting procedures:** Firefighters should wear full protective clothing including self contained breathing apparatus.  
**4.5 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.

## SECTION V – Reactivity Data

**5.1 Stability:** **Unstable:** **Stable:** X  
**5.2 Conditions to avoid (stability):** Prolonged exposure to heat greater than 60°C. Contact with strong mineral acids will release flammable hydrogen gas.  
**5.3 Incompatibility (materials to avoid):** Acetylene, hydrogen peroxide, ethylenimine or mineral acids.  
**5.4 Hazardous decomposition or byproducts:** None  
**5.5 Hazardous polymerization:** **May occur:** **Will not occur:** X  
**5.6 Conditions to avoid (polymerization):** None

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## SECTION VI - Health Hazard Data

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<b>6.1 Route(s) of entry:</b>	<b>Inhalation?:</b> Yes <b>Skin?:</b> Possible <b>Ingestion?:</b> Yes
<b>6.2 Health hazards (acute and chronic):</b>	EYES: (Powder only) May cause irritation upon contact. SKIN: Prolonged or repeated contact may cause irritation or allergic reaction. Avoid repeated contact with skin, chronic exposure may cause argyria (grayish blue pigmentation of the skin). No known serious toxic symptoms have been noted following exposure. INHALATION: (Powder only) Inhalation of alloy powder may cause irritation of mucous membranes. Chronic respiratory ailments prolonged excessive exposure. INGESTION: Ingestion of alloy may cause GI tract irritation, nausea or diarrhea. TOXICITY: (LD <sub>50</sub> , LC <sub>50</sub> , etc.) >5000mg/kg.
<b>6.3 Carcinogenicity:</b>	<b>NTP?:</b> Not Listed <b>IARC monographs?:</b> No <b>OSHA regulated?:</b> No All components of this product are in compliance with the inventory listing requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
<b>6.4 Signs and symptoms of exposure:</b>	EYES: (Powder only) Slight reddening of the eyes. May temporarily irritate the eyes. SKIN: Fine alloy powder may temporarily irritate the skin. Avoid repeated contact with skin, INHALATION: (Powder only) Inhalation of alloy powder may cause irritation of mucous membranes. INGESTION: Ingestion of alloy may cause GI tract irritation, nausea or diarrhea. Not hazardous when ingested.
<b>6.5 Medical conditions generally aggravated by exposure:</b>	Skin contact by sensitive individuals may cause allergic reaction.
<b>6.6 Emergency first aid procedures:</b>	EYES: Immediately flush eyes with copious amounts of water for 15 minutes. Seek medical attention if irritation or discomfort persists. SKIN: Wash thoroughly with soap and water. INHALATION: Gently blow nose and irrigate with clean water. Consult physician if irritation persists. INGESTION: If swallowed, seek medical attention.

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## SECTION VII - Precautions for Safe Handling and Use

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<b>7.1 Steps to be taken in case material is released or spilled:</b>	Provide exhaust ventilation when possible. Pick up powder by carefully sweeping, vacuuming or wet mopping spilled material into an acceptable waste container. Avoid generating airborne dust.
<b>7.2 Waste disposal methods:</b>	The product or individual components may be salvaged or reclaimed for reuse. Waste material may be disposed of in accordance with Federal, State and Local regulations.
<b>7.3 Precautions to be taken in handling and storage:</b>	Observe normal warehouse handling procedures. Store in a cool dry area. Store away from foodstuffs and beverages. Avoid contact or generation of dust.
<b>7.4 Other precautions:</b>	None known.

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## SECTION VIII – Control Measures

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<b>8.1 Respiratory protection:</b>	NIOSH approved respirators are required when concentrations of dust and/or fumes exceed TLV.
<b>8.2 Ventilation:</b>	Local exhaust
<b>8.3 Protective gloves:</b>	Rubber gloves.
<b>8.4 Eye protection:</b>	Safety glasses.
<b>8.5 Other protective clothing or equipment:</b>	Rubber apron.
<b>8.6 Work/Hygienic practices:</b>	Observe normal care when working with chemicals.

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NFPA HAZARD CLASSIFICATIONS	
Health	1
Flammability	0
Reactivity	0
Specific Hazard	N. A.

NFPA - National Fire Protection Association  
N.A. - Not Applicable  
N.E. - Not Established