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Alloys
Attachments
Implants
Restorative Systems

MATERIAL SAFETY DATA SHEET

Product: Galaxy Solder
Description: Dental Alloy Sheet
Other Designations: A7460 – E2680 Dental Solder Sheet

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>%</u>	<u>CAS#</u>	<u>PEL#</u>	<u>TLV#</u>
Gold	84.0 – 86.0	7440-57-5	N/A	N/A
Palladium	9.0 – 11.0	7440-05-3	N/A	N/A
Indium	4.0 – 6.0	7440-74-6	0.1 mg/m ³	0.1 mg/m ³

SECTION III - PHYSICAL DATA

Appearance and Color: Products are solid metals and are supplied in various shapes. Color varies from yellowish to white.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point: Solid metal is non-flammable
Extinguishing media: Dry chemical, CO₂, dry sand may be used
Special firefighting procedures: Use self-contained breathing equipment
Unusual fire and explosion hazards: Not normally flammable. Fine powder or dust may ignite at high temperatures

SECTION V – REACTIVITY DATA

Stable: Yes
Conditions to avoid: Overheating during brazing, soldering and melting
Hazardous Polymerization: Will NOT occur

SECTION VI - HEALTH HAZARD DATA

Inhalation: May cause irritation of the upper respiratory tract. Remove from exposure, seek medical attention.
Ingestion: May be mildly irritating to the lining of the stomach and intestines. Seek medical attention.
Skin: Remove contaminated clothing. Wash skin with soap and water.
Eyes: Irritation may result. Rinse thoroughly with clean water. Seek medical attention if symptoms develop.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING

Steps in case of spill or leak: Notify safety personnel of spills. Clean-up personnel need protection against inhalation of dust or fumes. Pick up material using vacuum. Keep dust at a minimum.

Disposal: **MAY HAVE RECLAIM VALUE!** Dispose of any unsalvageable material in accordance with federal, state, and local requirements.

SECTION VIII – CONTROL MEASURES

Ventilation and Respiratory Protection:

Provide efficient local exhaust ventilation necessary to meet T.L.V. requirements in the workplace. Approved respirator protection is required when heating, grinding, and for special operations where dust and/or fume exposure may occur.

Other Protective Equipment:

Gloves and/or protective clothing is required to prevent excessive dust contact with skin and/or for protection from cuts, abrasions, etc. When performing mechanical operations or handling sharp pieces of metal. Face and/or eye protection is recommended where the possibility of getting dust or particles in the eyes exists.

Work/Hygienic Practices:

Avoid inhalation or ingestion. Practice good housekeeping. Avoid eating and smoking in the work area. Wash thoroughly before eating and smoking.

SECTION IX – SUPPLIER NOTIFICATION

This product contains one or more chemicals, which are, listed in the EPA's, SARA, Title III, Section 313, Subpart D of 40CFR 372, entitled Emergency Planning and Community Right-To-Know Act (EPCRA). The maximum concentrations (wt %) of the toxic chemicals contained in this product are identified in Section II of this MSDS.

This information and data are taken from sources believed to be reliable and correct but cannot be warranted by manufacturer. User is responsible to determine suitability of material for a specific application.