

MSDS - 0306
REVISION: N/C
APRIL 20, 1993

MATERIAL SAFETY DATA SHEET

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SECTION 1 - PRODUCT IDENTIFICATION: PALLADIUM-6 ALLOY

TRADE NAMES:

PALLADIUM-6 ALLOY

CHEMICAL NAME:

PALLADIUM BASE ALLOY

MSDS - 0306 APPLIES TO THE FOLLOWING VIDENT PRODUCTS (BY PART NUMBER)

M20-325

INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE AND BELIEF. IT IS THE USER'S RESPONSIBILITY TO DETERMINE FOR HIMSELF THE SUITABILITY OF ANY MATERIAL FOR A SPECIFIC PURPOSE AND TO ADOPT SUCH SAFETY PRECAUTIONS AS MAY BE NECESSARY. WE MAKE NO WARRANTY AS TO THE RESULTS TO BE OBTAINED IN USING ANY TO BE OBTAINED IN USING ANY MATERIAL AND, SINCE CONDITIONS OF USE ARE NOT UNDER OUR CONTROL, WE MUST NECESSARILY DISCLAIM ALL LIABILITY WITH RESPECT TO THE USE OF ANY MATERIAL SUPPLIED BY US.

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SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS INGREDIENTS / OSHA:

INGREDIENT	CAS#	OSHA PEL TWA mg/m 3b)	ACGIH TLV TWA mg/m 3b)	INGREDIENT	CAS#	OSHA PEL TWA mg/m 3b)	ACGIH TLV TWA mg/m 3b)
Gallium	[7440-55-3]	-	-	Ruthenium	[7440-19-8]	-	-
Germanium	[7440-56-4]	-	-	Silver	[7440-22-4]	0.1	0.1
Gold	[7440-57-5]	-	-	Tin	[7440-31-5]	2	2
Palladium	[7440-05-3]	-	-				

CARCINOGENIC INGREDIENTS/OSHA: NONE

SECTION III - PHYSICAL AND CHEMICAL DATA

APPEARANCE AND ODOR: Silver Color Solid
 SOLUBILITY IN WATER: No odor.
 Insoluble
 BOILING POINT: > 1000
 MELTING POINT: 2000 - 2450° F
 VAPOR PRESSURE: Not Applicable
 SPECIFIC GRAVITY: 10.5 - 11.5

SECTION V - REACTIVITY DATA

STABILITY: Stable
 MATERIAL TO AVOID: Will dissolve in some acids.
 HAZARDOUS POLYMERIZATION: Will not occur.
 CONDITIONS TO AVOID: Overheating during brazing, solder and melting.
 HAZARDOUS DECOMPOSITION: Fumes

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

CLEAN - UP PROCEDURES: Sweep up as solid waste.
 Wear proper protective equipment. Avoid inhalation of dust and fumes during clean-up.
 WASTE DISPOSAL METHOD: May have reclaimable Value.
 Dispose of according to all Federal, State and local regulations.
 HANDLING AND STORAGE PRECAUTIONS: Keep in a cool dry place.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Non Flammable
 FLAMMABLE LIMITS: N/A
 LEL, Not applicable
 UEL: Not applicable
 EXTINGUISHING MEDIA: Dry chemical, sand and carbon dioxide
 SPECIAL FIREFIGHTING PROCEDURES: None.
 UNUSUAL FIRE HAZARD: Fine dust or powder may ignite at high temperatures.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, Ingestion, Skin and Eyes
 HEALTH HAZARDS: Irritation of respiratory tract, allergic reaction, Skin may cause dermatitis, Eyes: may cause irritation. Those with allergies, may cause asthma.
 CARCINOGENICITY: None
 SIGNS AND SYMPTOMS OF EXPOSURE: Redness, rash, wheezing, blue-gray discoloration of skin, metallic taste in mouth
 EMERGENCY FIRST AID PROCEDURES: Inhalation & Ingestion: Remove from exposure. seek medical attention. Eyes: flush with water 15 minutes including under the eyelids.
 Skin: Wash thoroughly with soap and water.

SECTION VII - CONTROL MEASURES

RESPIRATORY PROTECTION: Nuisance dust mask recommended during melting, grinding and soldering.
 VENTILATION: Mechanical exhaust ventilation to meet TLV requirements where exposure may occur during melting, grinding and soldering.
 EYE PROTECTION: Safety glasses or eye goggles recommended during melting, grinding and soldering.
 PROTECTIVE CLOTHING: Gloves and lab apron.
 WORK/HYGIENIC PRACTICE: Avoid inhalation or ingestion. Practice good housekeeping. Wash hands thoroughly before eating and smoking. Avoid eating or smoking in the work area.