

MATERIAL SAFETY DATA SHEET

SECTION I: MATERIAL IDENTIFICATION

Noble Metal Ceramic Alloys

Material Names: Auribond 97, Auribond 90, Auribond-GP, Auritex-75, Auritex-66, Auritex 40, Auritex-EP, Auritex-HP, Auritex-WP, Auritex-XP, Auritex-ZP, Elite, Elite II, Marathon, Summit, Windsor, Vision, Triumph

SECTION II: INGREDIENTS AND HAZARDS

Gold	(Au)	0.0-97.5%	(CAS 7440-57-5)
Platinum	(Pt)	0.0-10.0%	(CAS 7440-06-4)
Palladium	(Pd)	4.7-80.0%	(CAS 7440-05-3)
Silver	(Ag)	0.0-37.5%	(CAS 7440-22-4)
Copper	(Cu)	0.0-7.9%	(CAS 7440-50-8)
Tin	(Sn)	0.0-9.0%	(CAS 7440-74-5)
Indium	(In)	0.0-8.5%	(CAS 7440-74-6)
Gallium	(Ga)	0.0-7.3%	
Zinc	(Zn)	0.0-5.0%	(CAS 7440-66-6)

For Pure Silver
8 hr. TLV-0.01 mg/m
Ceiling level - 0.2mg/m

For Pure Copper
(Fumes and Dust)
8 hr. TLV-0.1 mg/m
Ceiling level- 0.2 mg/m

For Pure Zinc (Fumes)
8 hr. TLV-5mg/m

SECTION III: PHYSICAL DATA

Melting range:	2150-2500 F
Density:	10.8-19.6 gm/cc
Solubility in water:	Insoluble
Appearance:	White to golden color, no odor
2dwt. Ingots	

SECTION IV: FIRE AND EXPLOSION DATA

The alloys are fire and explosion resistant.

SECTION V: REACTIVITY DATA

The alloys oxidize at ordinary and high temperatures, but remain stable. At excessively high temperatures, the alloys may produce fumes. .

SECTION VI HEALTH HAZARD INFORMATION

Some of the components of the alloys may cause upper respiratory. tract irritation or industrial dermatitis when the worker is exposed to large concentrations of fumes and dust.

**SECTION VII: HEALTH HAZARD INFORMATION
FIRST AID**

Eye contact: Flush eyes thoroughly with running water, even under eyelids.
Skin contact: Flush skin and scrub thoroughly with soap and water.
Inhalation: Remove person to fresh air, assist breathing with the additional oxygen if necessary. Ingestion: Give large quantities of water to induce vomiting. Contact physician.

SECTION VIII: SPILL OR LEAK PROCEDURES

Remove dust by vacuum or wet sweeping. Avoid inhalation of dust. Whenever possible recover dust because it has economic value.

SECTION IX: SPECIAL PROTECTION INFORMATION

Employ general and local ventilation and exhaust filtration. Use respirator, goggles, gloves and protective clothing.

SECTION X: SPECIAL PRECAUTIONS

Avoid inhalation of fumes and dust. Avoid skin contact. Wear protective clothing. Grind and polish with adequate ventilation only. These alloys may be used with a fluoride flux which gives off fumes that can irritate the eyes, nose and throat. Avoid fumes (TLV-2.5 mg/m). Use only in well ventilated spaces. Avoid contact of flux with eyes or skin. Do not take flux internally.