

MSDS - 0309
REVISION: N/C
JULY 28, 2000

**MATERIAL SAFETY DATA SHEET
FOR AURIX**

VIDENT
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SECTION 1 - PRODUCT IDENTIFICATION: AURIX

TRADE NAMES:

AURIX

CHEMICAL NAME:

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MSDS - 0309 APPLIES TO THE FOLLOWING VIDENT PRODUCTS (BY PART NUMBER)

M20-135

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 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 I - HAZARDOUS INGREDIENTS / IDENTIFY INFORMATION

HAZARDOUS INGREDIENTS / OSHA:

INGREDIENT	CAS#	OSHA PEL TWA .mg(m.3b)	ACGIH TLV TWA .mg(m.3b)
Gold	[7440-57-5]	--	--
Indium	[7440-74-6]	--	0.1

INGREDIENT	GAS#	OSHA PEL TWA .mg(m.3b)	ACGIH TLV TWA .mg(m.3b)
Iridium	n/a	n/a	n/a
Palladium	[7440-05-3]	--	--

SECTION II - PHYSICAL AND CHEMICAL DATA

CARCINOGENIC INGREDIENTS/OSHA: NONE

APPEARANCE AND ODOR:

White color,
 No odor.
 Insoluble
 2075-2240 F
 Not Applicable
 15.2 g/cm3

SOLUBILITY IN WATER:

MELTING POINT:

VAPOR PRESSURE:

SPECIFIC GRAVITY:

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:
FLAMMABLE LIMITS:

Non Flammable
 N/A

LEL: Not applicable

UEL: Not applicable

EXTINGUISHING MEDIA:

Not applicable

SPECIAL FIREFIGHTING PROCEDURES:

None.

UNUSUAL FIRE HAZARD:

None.

SECTION V - REACTIVITY DATA

STABILITY:

Stable

MATERIAL TO AVOID:

Will dissolve in some acids.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

Overheating- at very high temperatures
 the alloy will produce fumes, which are not
 flammable.

**HAZARDOUS DECOMPOSITION
 OF BY PRODUCTS:**

Fumes

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY:

Inhalation, Ingestion, Skin and Eyes

HEALTH HAZARDS:

Irritation of respiratory tract, allergic reaction
 Indium is toxic when ingested.
 Contact may cause skin irritation or industrial dermatitis
 Metal may cause irritation.

CARCINOGENICITY:

None

SIGNS AND SYMPTOMS OF EXPOSURE:

Redness, rash, wheezing, blue-gray discoloration
 of skin, metallic taste in mouth

EMERGENCY FIRST AID PROCEDURES:

Inhalation: Remove affected person to fresh air
 and assist with additional oxygen if necessary
 Ingestion: Give large quantities of water to induce vomiting
 Contact physician.
 Eye: Flush eyes thoroughly with running water.
 Skin: Scrub skin thoroughly with soap and water

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

CLEAN - UP PROCEDURES:

Remove dust by vacuuming or wet sweeping
 to prevent powdering in the air. Wear
 approved respirators and protective clothing.
 No special precautions are required for
 bulk (solid) shaped, such as ingots.

WASTE DISPOSAL METHOD:

May have reclaimable Value.
 Dispose of according to all Federal, State
 and local regulations.

**HANDLING AND STORAGE
 PRECAUTIONS:**

Keep in a dry place.

SECTION VII - CONTROL MEASURES

RESPIRATORY PROTECTION:

Wear a NIOSH approved respirator for dust
 exceeding te TLV's

VENTILATION:

Mechanical exhaust ventilation to meet TLY
 requirements where exposure may occur.
 during melting, grinding and soldering.

EYE PROTECTION:

Safety goggles with side shields or face
 shield during grinding.

**PROTECTIVE CLOTHING:
 WORK/HYGENIC PRACTICE:**

Gloves and lab apron.
 Avoid inhalation of fumes while melting and
 dust while grinding. Wash hands thoroughly
 before eating or smoking to avoid ingestion.