

Safety Data Sheet

THE ARGEN CORPORATION

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SECTION 1 - SUBSTANCE IDENTIFICATION

PRODUCT NAME: ARGENCO 62

DESCRIPTION: Color: YELLOW Type: 2/3

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

METAL	%	SYMBOL	CAS NO	ACGIH 8 HR TLV	OSHA 8 HR PEL
GOLD	62	Au	7440-57-5	Not established	Not established
PALLADIUM	1	Pd	7440-05-3	No data	No data
SILVER	26.5	Ag	7440-22-4	0.01 mg/m3	0.1 mg/m3
IRIDIUM	<1	Ir	7439-88-5	No data	No data
COPPER	8.95	Cu	7440-50-8	0.1 mg/m3	0.2 mg/m3
				(Fume)	(Fume)
				1 mg/m3 (Dust)	1 mg/m3 (Dust)
ZINC	1.5	Zn	7440-66-6	5mg/m3	No data

Note: % values are in weight percent and reflect nominal composition.

Note: 'x' denotes a content of less than one percent

SECTION 3- HAZARDS IDENTIFICATION

EYES:	Contact with eyes may cause severe irritation and possible eye burns.
SKIN:	May cause severe irritation and possible burns.
INGESTION:	May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.
INHALATION:	May cause irritation and burns to the respiratory tract.
NO TE:	Exposure levels for elements in this alloy are listed in SECTION 2. The following health data is for specific elements:SILVER
	Absorption of silver compounds by ingestion, inhalation or through broken skin can cause argyria, a permanent bluish-grey discoloration of the skin, conjunctiva and mucous membranes. Generalized argyria develops after 2 to 25 years of exposure. There are no systematic effects or symptoms and no physical disability. Silver is considered an experimental equivocal tumorigenic agent by RTECS criteria.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT :	Immediately flush eyes with plenty of water for at least 15 minutes lifting the upper and lower lids.
SKIN CONTACT:	Scrub skin thoroughly with soap and water.
INGESTION:	If victim is conscious and alert, give 2-4 cupfuls of milk or water **Never give anything by mouth to an unconscious person. Get medical attention.
INHALATION:	Remove affected person to fresh air and assist with additional first aid if other symptoms appear.

SECTION 5 - FIREFIGHTING MEASURE

This material is fire and explosion resistant. Heating Beyond the melting range may generate fumes which are not flammable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION: Use proper personal protective equipment as described in section 8.

SECTION 7 - HANDLING AND STORAGE

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

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTIONS

RESPIRATORY:	Provide general ventilation and local exhaust to keep levels below TLV. Wear a NIOSH approved respirator for dust exceeding the TLV.
HAND:	Latex gloves are recommended while grinding, heat resistant gloves for handling hot metals or molds.
EYE PROTECTION:	Wear eye protection suitable to each individual operation.
OTHER:	Wear apron, lab coat or other protective clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	YELLOW
Odor:	Not Applicable
pH:	Not Applicable
Boiling Point:	Not Applicable
Melting Range:	900-930 °C
Flash Point:	Not Applicable
Flammability:	Not Applicable
Autoflammability:	Not Applicable
Explosive Properties:	Not Applicable
Oxidizing Properties:	Not Applicable
Vapor Pressure:	Not Applicable
Solubility(Water/Fat):	Insoluble

SECTION 10 - STABILITY AND REACTIVITY

At ordinary and high (below the melting range) temperatures, the material oxidizes but is stable. At very high temperatures the alloy produces fumes.

SECTION 11 - TOXICOLOGICAL INFORMATION

No specific instructions.

SECTION 12 - ECOLOGICAL INFORMATION

This is an environmentally friendly material. With proper dust collecting equipment, 100% of this alloy can be recycled.

SECTION 13 - DISPOSAL CONSIDERATIONS

Whenever possible, recover dust because it has economic value.

SECTION 14 - TRANSPORT INFORMATION

No specific instructions.

SECTION 15 - REGULATORY INFORMATION

No specific instructions.

SECTION 16 - OTHER INFORMATION

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