

Safety Data Sheet

THE ARGEN CORPORATION

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SECTION 1 - SUBSTANCE IDENTIFICATION

PRODUCT NAME: ARGEDENT 74

DESCRIPTION: Color: YELLOW Type: 4

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

METAL	%	SYMBOL	CAS NO	ACGIH 8 HR TLV	OSHA 8 HR PEL
GOLD	74	Au	7440-57-5	Not established	Not established
PLATINUM	4	Pt	7440-06-4	No data	No data
PALLADIUM	7.6	Pd	7440-05-3	No data	No data
SILVER	10.8	Ag	7440-22-4	0.01 mg/m ³	0.1 mg/m ³
IRIDIUM	<1	Ir	7439-88-5	No data	No data
INDIUM	2.5	In	7440-74-6	0.1 mg/m ³	0.1 mg/m ³ TWA
TIN	1	Sn	7440-31-5	2 mg/m ³	2 mg/m ³

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 Exposure Absorption of silver
 TE: levels for compounds by
 elements ingestion, inhalation or
 in this through broken skin can
 alloy are cause argyria, a
 listed in permanent bluish-grey

SECTION 2. The discoloration of the skin,
 following conjunctiva and mucous
 health membranes.
 data is for Generalized argyria
 specific develops after 2 to 25
 elements: years of exposure.

SILVER There are no systematic
 effects or symptoms and
 no physical disability.
 Silver is considered an
 experimental equivocal
 tumorigenic agent by
 RTECS criteria.INDIUM

May cause fetal effects based upon animal studies. May cause lung damage and blood abnormalities. Target Organs: Blood, kidneys, liver, lungs.

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 water. **Never give anything by mouth to an unconscious person.
 INHALATION: Remove affected person to fresh air and assist with breathing. Get 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 dust levels below 10 mg/m ³ . Wear a NIOSH approved respirator for dust exceeding 10 mg/m ³ .
HAND:	Latex gloves are recommended while grinding, 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:	1135-1180 °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 ox 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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Revision Date: 5/30/2011