

# Material Safety Data Sheet

THE ARGEN CORPORATION

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## SECTION 1 - SUBSTANCE IDENTIFICATION

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ALLOY NAME: ARGENCO 27

DESCRIPTION: Color: YELLOW Type: 4

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## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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METAL	%	SYMBOL	CAS NO	ACGIH 8 HR TLV	OSHA 8 HR PEL
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Note: % values are in weight percent and reflect nominal composition.

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

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## SECTION 3- HAZARDS IDENTIFICATION

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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.

NOTE: 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.

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## SECTION 4 - FIRST AID MEASURES

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EYE CONTACT : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally 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. Induce vomiting. \*\*Never give anything by mouth to an unconscious person. Get medical aid.

INHALATION: Remove affected person to fresh air and assist with additional oxygen if necessary. Get first aid if other symptoms appear.

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## SECTION 5 - FIREFIGHTING MEASURE

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

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

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## SECTION 7 - HANDLING AND STORAGE

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

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTIONS

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RESPIRATORY:	Provide general ventilation and local exhaust to keep levels below the TLV stated in SECTION 8. Wear a NIOSH approved respirator for dust exceeding the TLVs.
HAND:	Latex gloves are recommended while grinding, heat resistant gloves should be worn while cutting and handling hot metals or molds.
EYE PROTECTION:	Wear eye protection suitable to each individual operation.
OTHER:	Wear apron, lab coat or other protective clothing.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	YELLOW
Odor:	Not Applicable
pH:	Not Applicable
Boiling Point:	Not Applicable
Melting Range:	860-890 °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

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## SECTION 10 - STABILITY AND REACTIVITY

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

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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No specific instructions.

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#### SECTION 12 - ECOLOGICAL INFORMATION

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

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#### SECTION 13 - DISPOSAL CONSIDERATIONS

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Whenever possible, recover dust because it has economic value.

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#### SECTION 14 - TRANSPORT INFORMATION

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No specific instructions.

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#### SECTION 15 - REGULATORY INFORMATION

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No specific instructions.

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#### SECTION 16 - OTHER INFORMATION

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