

MATERIAL SAFETY DATA SHEET

The Argen Corporation, 5855 Oberlin Drive, San Diego, CA 92121

SECTION 1 - SUBSTANCE IDENTIFICATION

ALLOY NAME: Argeloy N.P.
DESCRIPTION: Non-Precious PFM Alloy

SECTION 2 - INGREDIENTS AND HAZARDS

METAL	%	SYMBOL	CAS NO.	ACGIH 8 HR TLV	OSHA 8 HR PEL
Nickel	76.0	Ni	7440-02-0	1 mg/m ³	1 mg/m ³
Chromium	14.0	Cr	7440-47-3	0.5 mg/m ³	1 mg/m ³
Molybdenum	6.0	Mo	7439-98-7	5 mg/m ³	N/A
Aluminum	2.0	Al	7429-90-5	10 mg/m ³	15 mg/m ³
Beryllium	1.8	Be	7440-41-7	0.002 mg/m ³	0.002 mg/m ³
Other	<0.2	N/A	N/A	N/A	N/A

N/A means not applicable * Fumes and dust

SECTION 3 - PHYSICAL DATA

Specific Gravity: 7.8 g/cm³
Melting Range: 2250-2350°F (1230-1290°C)
Solubility in water: Insoluble
Appearance: Platinum color, no odor
Each ingot weight: Approx. 5 - 8 grams

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

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

SECTION 5 - HEALTH HAZARD DATA

EYES: Metal particles may cause irritation.
SKIN: Contact may cause skin irritation or industrial dermatitis.
INHALATION: Breathing dust may cause irritation of the upper respiratory tract.
INGESTION: N/A

FIRST AID

EYE CONTACT: Flush eyes thoroughly with running water.
SKIN CONTACT: Scrub skin thoroughly with soap and water.
INHALATION: Remove affected person to fresh air and assist with additional oxygen if necessary.
INGESTED: N/A

SECTION 6 - REACTIVITY DATA

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

SECTION 7 - SPILL OR LEAK PROCEDURES

NA

SECTION 8 - PROTECTIVE EQUIPMENT TO BE USED

VENTILATION:	Provide general ventilation and local exhaust to keep levels below the TLV stated in SECTION 2.
RESPIRATORS:	Wear a NIOSH approved respirator for dust exceeding the TLV's.
GLOVES:	Latex gloves are recommended while grinding, heat resistant gloves should be worn while casting and handling hot metals or molds.
EYE PROTECTION:	Wear safety goggles with side shields or face shield during grinding.
OTHER:	Wear apron, lab coat or other protective clothing.

SECTION 9 - SPECIAL PRECAUTIONS

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