

# AMPCOLOY 972

## Material Safety Data Sheet



### 1 - NOMINAL COMPOSITION

-Chromium.....	1.1%
-Zirconium.....	0.12%
-Others max.....	0.3%
-Copper.....	balance

### 2 - HAZARDS

When supplied in solid form the alloys are non-hazardous. When supplied in gas form, an inhalation of dust or fumes presents a hazard (See Section 10: Toxicological Information).

### 3 – FIRST AID MEASURES

- Eyes:* There is no special hazard to the eyes. Use normal industrial protection to prevent foreign bodies from entering the eyes.
- Cuts:* Treat cuts like those from other metals. Remove embedded material, clean thoroughly and dress the wound.
- Ingestion:* There is no special hazard from ingestion. Use normal industrial hygiene.
- Exposure to Dust or Fumes:* In practice, any exposure can only arise from operations such as grinding, and abrading which is likely to be at low levels and will no cause immediate symptoms. In any events, remove the exposed persons to fresh air and seek medical attention.

### 4 – FIRE FIGHTING

#### 4.1 – *Methods of Extinction:*

- Recommended: not applicable
- Contraindicated: no water on molten metal on pain of explosion

#### 4.2 – *Fire and Explosion Hazards:*

- The alloys are non-flammable.

#### 4.3 – *Fire Protection:*

- No special precautions required.

### 5 – ACCIDENTAL RELEASE

Not applicable to the alloys in massive forms.

### 6 – HANDLING AND STORAGE

No special precautions required.

### 7 – EXPOSURE CONTROLS

#### 7.1 – *Individual Precautions:*

No hazard for massive forms.

#### 7.2 – *Cleaning Methods:*

Not necessary for this product.

### 8 – PHYSICAL AND CHEMICAL PROPERTIES

Color:	Copper (on massive form).
Odour:	No special odour.
Density:	8.8 Kg/dm <sup>3</sup> .
Solubility in water:	None.
Flash Point:	1025 °C.

**AMPCO METAL EXCELLENCE IN ENGINEERED ALLOYS**

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## 9 – STABILITY AND REACTIVITY

The alloys are stable. They do not corrode, dissolve or disintegrate under normal conditions.

## 10 – TOXICOLOGICAL INFORMATION

No risk is posed by alloys in massive form.

## 11 – ECOLOGICAL INFORMATION

No ecological risk is posed by alloys in massive form.

## 12 – TRANSPORT INFORMATION

In massive form this product is non-hazardous for purposes of transportation. EEC hazard labelling is not required.

## 13 – REGULATORY INFORMATION

- Labelling is not required
- EEC Classification: See Section 10
- Limited Value Exposure: See Section 7

### *Ventilating and Cleaning the Buildings:*

- Article R232-5 to R232-5-14 of the Work Code
- Ministerial Work Circular of May 9, 1985
- Stoppages on the 8<sup>th</sup> and 9<sup>th</sup> of October 1987 (J.O. for October 1987) relating to controls of the installations.

### *Prevention of Chemical Risks:*

-Decree n°92-1261 of 03/12/1992 published in J.O. On 05/12/1992.

## 14 – FURTHER INFORMATION

Ampcoloy 972 presents no risk except under special conditions, which produce breathable particles or fumes. In this case, proper risk assessment is required. Air extraction and filtration, or personal respiratory equipment will usually deal with these cases.

