

AMPCOLOY® 944

Material Safety Data Sheet



1 - NOMINAL COMPOSITION

Nickel	7%
Silicon	2%
Chromium	1%
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 11: 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. In case of particles entering eyes flush eyes with plenty of water and seek medical attention.
- *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 welding which is likely to be at low levels and will not 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 except wear of gloves for handling purposes are recommended.

7 – EXPOSURE CONTROLS

- 7.1 – *Individual Precautions:*
- No hazard in solid forms.
- 7.2 – *Ecological Precautions:*
- This alloy sold in solid forms is not hazardous to the environment.
- 7.3 – *Cleaning Methods:*
- Not necessary for this product.

8 – PHYSICAL AND CHEMICAL PROPERTIES

Color:	Copper (on solid form).
Odour:	No special odour.
Density:	8.7 Kg/dm ³ .
Solubility in water:	None.
Flash Point:	1030 °C.

9 – STABILITY AND REACTIVITY

The material is stable. Avoid contact with mineral acids and oxidizing agents, which can generate hydrogen gas. This material does not corrode, dissolve or disintegrate under normal conditions.

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10 – TOXICOLOGICAL INFORMATION

No risk is posed by alloys in solid 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 8th and 9th 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® 944 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.