

DATA SHEET

No. 1013

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Date. 06 / 02 / 2002

Product Code	Description
52-730-005	Metal Etching Pen

Material Safety Data

- 1) Product Name: Metal Etching Pen, (Etching Marker)
Product Code: 52-730-005

Contains etching ink NIGRIT "VA"
For durable inscription or marking of heavy metals

Hazardous material description and proper shipping name (IATA/RAR):
Etching Ink – Acids, liquid, n.o.s.

Hazard class: Corrosive material (IATA/RAR)
Chemical Family: Acid – Formula: see section 2
- 2) Ingredients: The cartridge of the Metal Etching Pen, code 52-730-005 contains, 1.0ml etching ink maximum

The acid contained in the cartridge is composed of 50% hydrochloric acid (HCl), plus Salt of Copper, plus Selenious Acid (H₂SeO₃)
It is a mineral acid solution of salts and heavy metals plus Selenious acid
- 3) Physical Data:
Boiling Point: Starting at 100°C
Solubility in water: unlimited mixable
Appearance: liquid
pH: below zero
- 4) Fire and Explosion Hazard Data: N.A. non-flammable liquid
- 5) Health and Hazard Data:
Effects of over exposure: Toxic, corrosive – non-absorbing
First Aid: Skin Irritations – Eye Irritations: consult a doctor
- 6) Spill Procedure: Wash with water

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Use Instructions

Suitable for permanent etching of codes, sizes and identification references on the following metal surfaces: Alloy and Stainless Steel, Iron, Copper & Gun Metal

The surface for marking should be clean and free from oil

For light marking make only a single pass with the pen

For darker marking, make repeated passes with the pen to achieve the legibility required

Lightly wipe the surface following etching with light oil

If etching agent is splashed on skin, wash with soap and water