

PRODUCT RANGE

52-730-005 Metal Etching Pen (Etching Marker)

MATERIAL SAFETY DATA

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

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

Physical Data:
Boiling Point: Starting at 100°C
Solubility in water: unlimited mixable
Appearance: liquid
pH: below zero

Fire and Explosion Hazard Data: N.A. non-flammable liquid

Health and Hazard Data:
Effects of over exposure: Toxic, corrosive – non-absorbing
First Aid: Skin Irritations – Eye Irritations: consult a doctor

Spill Procedure: Wash with water

INSTRUCTIONS FOR USE

- 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

