

## Metal Etching Pen



Suitable for permanent etching identification references on  
The following metal surfaces  
Alloy and stainless steel  
Iron  
Copper  
Gun metal  
It will not mark aluminium surfaces

## Instructions

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

## 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 the following  
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 (H<sub>2</sub>SeO<sub>3</sub>)  
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