

PENETRANT F-1

Product Development Department

December 2004

Page 1 of 1

PRODUCT DESCRIPTION

Penetrant F-1 is a lubricating and penetrating agent based on highly refined mineral oils. It has enhanced penetrating and capillary properties. It contains silicon oil. It drives moisture out. It provides temporary corrosion protection to steel surfaces. It contains corrosion inhibitors. It is characterised by chemical stability. It has lubricating and cleaning properties.

TYPICAL USES

As a preparation for loosening stuck and rusted bolts, nuts, pipe joints, pins, locks and smaller mechanisms. It helps to separate jammed parts. It cleans off surface corrosion, removes light deposits and crude oil-based dirt.

PRODUCT PROPERTIES

Physical form	fluid
Colour	light brown
Density	0.86 g/cm ³
Kinematic viscosity at w 25°C	1.85 mm ² /s
Flow temperature	<-50°C
Spontaneous ignition temperature	>250°C
Copper plate corrosion test, 3 h at 100°C (ASTM D130)	1

OTHER INFORMATION**Storage**

The product should be stored in the original packaging.
The storage life of the product amounts to 36 months.

Method of application

It is the best to apply the product in the form of aerosol spray (mist). It can also be applied by brush. Wait a few or a dozen or more minutes until the joint has been penetrated by the preparation and then disassemble it. The aforementioned procedure may be repeated if need be.