smartGLEIT®
FRICTION MEETS ENGINEERING

DF 979

CORROSION–PREVENTIVE WAX

microGLEIT DF 979 is a light-coloured corrosion protection fluid based on an organic solvent. It provides a barely visible, dry corrosion preventive film with good lubricity.

Product Features

microGLEIT DF 979 combines excellent corrosion protection with ease of use. The corrosion preventive film is oil and grease-free, temperature stable, barely visible, clean and dry. Ideally the protective film in most cases does not need to be removed when the preserved parts are installed and activated.

- Very good protection against corrosion
- Dry and clean
- Barely visible
- Soft, ductile layer
- Very good lubricity
- Easy to apply
- Durable

Product Application

microGLEIT DF 979 was developed especially for a clean conservation of metal parts for shipment or storage.
microGLEIT DF 979 is suitable for the conservation of:

- machines and machine parts for shipment (e.g. textile machines, construction machinery etc.)
- for intermediate storage of semi-finished parts and intermediate or permanent storage of machinery and machine parts (e.g. dies, moulds, tools, instruments, etc.)
- Furthermore microGLEIT DF 979 can be used to lubricate parts which in addition need very good corrosion protection - anyhow, it does replace the specified service lubricant

Instructions for Use

- microGLEIT DF 979 usually is used as delivered. The ideally clean, oil- and grease-free parts are wetted with the liquid product and after evaporation of the solvent, a dry protective film is formed.
- Following application methods are possible:
  - Spraying – best quality – all industry standard methods are possible;
    DF 979 is also available in spray can (aerosol).
  - Dip-coating – especially effective with bulk material or non scooping parts
  - Dip-spin-coating – the industry standard for bulk materials - also for scooping parts
  - Paint-roller or brush-application – when other methods are not possible
- After the application the parts have to be dried. This can be done at room temperature and depending on the layer thickness it will take approximately 20 to 60 minutes.

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- Close immersion baths after finishing work and generally keep them open as short as necessary.
- Observe safety instructions - product contains organic solvents (white spirit, aromatics-free).
- Optimal storage temperatures of preserved parts: 5 to 30 °C / 41 to 86 °F .

Typical Properties microGLEIT DF 979

Test / Feature	Standard/ Parameter	Unit	DF 979	
Appearance	visually	—	brownish liquid	*As Delivered*
Density	DIN 51757	g/cm³	~ 0.81	
Viscosity (20 °C / 68 °F)	EN ISO 2431 / 4 mm	s	~ 30 – 50	
Flash Point	DIN EN 22719	°C / °F	> 40 / 104	
Drying Time		min	20–60 @ 20 °C / 68 °F	
Available Container Sizes	—	—	150 kg Drum	
Usable Life - Closed original container		months	12	
Handling Precautions	—	—	see SDS – flammable	
Appearance	visually	—	almost transparent	*Applied*
Service Temperature	—	°C	- 40 to +80 / -40 to 176	
Recommended layer thickness	—	µm	5 - 30 µm	
Friction Value (Screw Test)	µ	—	~0.09 – 0.12	
Salt-Spray-Test (St 1405)	DIN EN ISO 9227	h	> 168	
Alternating Condensation Climate Test	DIN EN ISO 6270	Cycles	> 25	