Alusynt® Microflon

HIGH PERFORMANCE PENETRATING SYNTHETIC LUBRICANT

PRODUCT

Alusynt® Microflon is a synthetic lubricant with micronized PTFE and special solvents.
Cleanses, lubricates and protects surfaces in the most demanding operating conditions and premises.

Alusynt® Microflon registered in Category H1 by NSF INTERNATIONAL (USA) (see website http://www.nsf.org/USDA/Listings.asp?Company=N10201 – Reg. N. 145085) for use in food processing areas, where possible incidental contact with the product worked.

Aluchem products and plants have been also **Kosher** certified.

CHARACTERISTICS

Alusynt® Microflon virtually eliminates wear of lubricated parts, even in environments that are contaminated by either abrasive or corrosive material.

The viscosity and surface tension of **Alusynt® Microflon** are very low, which allows effective and rapid penetration even into the most difficult corners, while ensuring effective lubrication even with high loads and velocity.

Alusynt® Microflon has a strong affinity for application surfaces to which it tenaciously adheres, removing dirt and moisture and preventing the formation of ice, rust and corrosion. The lubricant film formed is highly durable; the presence of **PTFE** with a high concentration considerably reduces the coefficient of friction and prevents wear even in conditions of extreme lubrication.

Alusynt® Microflon also has a solubilising action against rust agglomerates, dirt, deteriorated old residual lubricants, etc., and prevents reconstitution.

USES

Alusynt® Microflon is suitable for systematic or occasional application, for pre-treatment of parts destined for lubrication with traditional methods as ant adherent agent, loosened and protection; it is particularly appreciated in dusty or damp premises.

Some typical applications include:

- precision mechanisms, components with narrow play or a tendency to mesh;
- chains and metal ropes, joints, transmissions with flexible pipes, locks;
- photocopiers: protection against the action of paper dust;
- laundries: protection against the action of condensate, powder, textile fluff;
- mould and extractor mechanisms, rubber and plastic injection;
- cuts down levels of dust and deposits on utensil plaques during dry mechanical processing of hard materials;
- weapons, fishing equipment, sports and gym equipment;
  earth-moving machines, bicycles and bikes, cargo vessels and sailing oats.

PTO

Ed. May.17

Aluchem S.p.A.
Via Abbiategrasso, 7/A 20080 Cisliano (Mi) Italy
tel. +39 0290119979 fax +39 0290119978
info@aluchem.it - www.aluchem.it

Alusynt® Microflon

USES

Alusynt® Microflon can be either applied with a brush or sprayed; the best results are obtained by leaving the solvent to evaporate for 15-30 minutes (depending on room temperature; application over 40°C is not recommended) before starting up the machine.

Technical data	Method	Units	Mean Values
Thermal rating	-	°C	- 53 ÷ +250
Density at 20°C	ASTM D 1298	g/cm^3	870
Flash point	ASTM D 92	°C	86
Surface tension at 25°C	NF ISO 304	mJ/m^2	28,3
Viscosity at 40°C of the product as is	ASTM D 445	cSt	22
Viscosity at 40°C of the basic oil (after evaporation of the solvent)	ASTM D 445	cSt	105
Four Ball Test – welding load	ASTM D 2783	Kg	340
Four Ball Test – wear scar diameter	ASTM D 4172	mm	0,5

Alusynt® Microflon is also available in a convenient spray can that does not contain any propellants alleged to damage the ozone layer.

Alusynt® Microflon Spray registered in Category H1 by NSF INTERNATIONAL (USA) (see website http://www.nsf.org/USDA/Listings.asp?Company=N10201 – Reg. N. 145086) for use in food processing areas, where possible incidental contact with the product worked.

Alusynt® Microflon Spray

Spray can 400 cm^3

PRECAUTIONS

To fully exploit the excellent properties of **Alusynt® Microflon Spray**, follow the instructions below:

- before application, stir the spray can vigorously;
- the application must be performed on surfaces with temperatures below 35°C;
- do not keep the button pressed for too long: dispense for at most 10 seconds, repeating the process when necessary;

On completing the operation, clean the valve with the spray can upturned by dispensing the spray for 3 seconds; the can must release a clean jet of pure propellant. This cleaning process is not necessary if the spray can is frequently reused; if the nozzle is blocked, due to incomplete cleaning or a long period of inaction, shake for 30 seconds and repeat the cleaning process as described above. If the problem persists, change the nozzle.

Aluchem S.p.A.
Via Abbiategrasso, 7/A 20080 Cisliano (Mi) Italy
tel. +39 0290119979 fax +39 0290119978
info@aluchem.it - www.aluchem.it