



Anti-friction agents and lubricant 抗摩擦剂和润滑剂

GLISS® WMM⁺

Product Consistency 产品浓度	gel 凝胶(啫喱状)
Cable installation 电缆安装	winch 绞盘
Application 应用	cable threading 电缆穿线
Installation type 使用类型	industrial 工业用
Type of cable or piping 电缆或管道类型	medium big diameter wire cable 中至大直径电缆

Advantage:
优点:

NO glue effect - (the glue effect occurs when, once the water evaporates, the gel turns into glue, causing all the cables to stick to each other)
无胶水效应-(胶水效应是指当水份蒸发后,凝胶变成胶水状态,导致电缆彼此粘连)

Appearance:
产品特性:

The product is a thin white gel; the water and glycol in the gelatin act as lubricants as well as vehicles for other specific lubricants which act along the way. Easy to apply, the gel facilitates its spreading on cables to be installed vertically, without any dripping or loss of lubricant.
此产品为稀薄白色凝胶,明胶中的水和乙二醇作为润滑剂。该凝胶易于涂抹,便于在垂直安装的电缆上铺展,不会滴落或流失润滑剂。

Traditional use:
用法:

Apply the gel with a sponge onto the cable, install the cable. The water will evaporate, leaving a layer of lubricant on the cable. The lubricant layer will stay on for a very long time, facilitating replacement or introduction of other cables in the same duct.
用海绵将凝胶涂在电缆上然后安装电缆。水份自行蒸发后,会在电缆上留下一层润滑膏。润滑层会维持一段长时间,便于更换或在同一管道中引入其他电缆。

WMM⁺ is a non-toxic, inert, bio-degradable, non-flammable product.
WMM⁺ 是一种无毒、惰性、可生物降解、不易燃的产品。

Technical Specifications 技术规格

Standard 标准	IEEE1210
Appearance 颜色	white 白色
Odor 气味	none 无味
Viscosity 粘性	26,000cp
Specific gravity 比重	gr/cm ³ 1
pH pH值	7 neutral 7 中等

Performance



Use temperature 适用温度	-10~+50°C
Toxicity 毒性	non-toxic 无毒
WGK 水危害等级	1 (according to 2000 German and British standards) 1 (根据2000年德国和英国标准)
Volume 容量	1 kg (0.26Gal) / 25 kg (6.6Gal) 1 kg (0.26加仑) / 25 kg (6.6加仑)
Manufactured by 生产地	Italy 意大利



CSI Certificazione e Testing		LABORATORIO: MATERIALS		
DIVISIONE: DIVISION:	Food Packaging Materials	LABORATORY: MATERIALS		
RAPPORTO DI PROVA (Test Report)		Pagina 4 di 4 pag. 4		
N° 1591FPMMATs07		Date: 28/03/2008 Date:		
RESULTS				
DETERMINATION OF BIODEGRADABILITY IN AQUEOUS ENVIRONMENT (Sturm Method modified - O.G. 07-12-90)				
Initial characterization of the sample: Organic carbon (TOC): 13,05% of the sample as it is				
Quantity of organic carbon added to each reactor (2 reactors for each sample):				
SAMPLE	Organic carbon (mg)	Amount of theoretical CO ₂ , ThCO ₂ (mg)		
Reference, Sodium benzoate	60,22	220,8		
GLISS WMM	85,49	313,5		
In the table below are reported the percentages of biodegradability calculated in relation to the quantity of total initial organic carbon contained in the samples.				
SAMPLE	Days	Cumulative CO ₂ (g)	% Biodegradability (% ThCO ₂)	% Average biodegradability
Reference, Sodium benzoate	50	0,2156 - 0,2129	97,62 - 96,40	97,01
GLISS WMM	50	0,2868 - 0,2836	91,49 - 90,40	90,99
Note: in the table are reported the results of the single tests conducted in double.				
DATE Date	RESP. Food Packaging Materials Division Head G. Vestrucci	RESP. OF THE CENTRE Managing Director P. Cau		
28/03/2008				
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