

Specialty Chemical Manufacturers for Industry, Biosecurity and Aviation

## ULTRA SYNTHET 985

Code 7240

Semi Synthetic Metal Cutting Machining Fluid

Suitable For Most Machining Applications & Materials

## 超级半合成切削液 - 嘉林顿985

无毒, 寿命长, 适合广泛的加工工艺和金属材料



Ultra Synthet 985原液

### DESCRIPTION

Ultra Synthet 985 is a semi-synthetic metal working fluid/coolant formulated to provide exceptional **COOLING, LUBRICATING, and RUST INHIBITING** properties, high performance on both ferrous and non-ferrous metals, most machining applications. 985 is intended for use with high speed steel or carbide tools.



稀释为5%

### 产品介绍

嘉林顿985是一款通用性的半合成金属切削液。嘉林顿985采用特殊合成润滑成份，配合强化润滑酯，提供优越的润滑性能。985的润滑性适用于广泛的金属加工工艺，润滑性非常稳定。985适用于加工各种金属材料，在高压喷淋的状态下发泡低。在金属表面不留有粘脏残留物。嘉林顿985的加工寿命比普通的以矿物油为主的乳液长5倍，无须任何添加剂，维护简单。同时985是一款无毒，无味，对皮肤无刺激的环保型切削液。

由于985不含硫，氯和亚硝酸类物质，所以985在加工有色金属时，不会使金属表面出现色斑，表面腐蚀，变黑的现象。985的长效性，润滑性，通用性使这款产品机床种类，加工种类，金属种类繁多的加工工厂体现优势。在干燥，温度较高，蒸发量相对较大的季节或省份区域里，985本身极其微弱的气味不会给操作工人带来眼睛，嗅觉和肢体反应的不舒适感。

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**ADVANTAGES 产品特色和优越性**

Suitable for most machining application, for both ferrous & non-ferrous metals  
适合所有常用金属材料，所有常用加工工艺

Superior lubricity for light to heavy duty applications, excellent surface finish with high metal removal rates

优越的润滑性能，适合轻负荷至高负荷的切削工艺，延长刀具的使用寿命

Stain free for copper, aluminum and alloy 对铝，铜和铝合金表面不产生变色，腐蚀

Sulphur, nitrite, chlorine, halogen, silicone free 不含卤，硫，氯和硅，适合加工钛合金

Transparent, excellent work visibility

原液和加水稀释后均为透明清澈液体，工件加工能见度极高

Very low foaming 低发泡

Hard water compatibility, Excellent rust control 很强的硬水稳定性，出色的防锈能力

Cobalt leach free, excellent for carbide tooling

对碳化的刀具不会产生吸附钴cobalt的影响

High resistance to microbial degradation, no rancidity

稳定的配方，抗真菌，细菌生长，运行寿命长

Doesn't contain phenol and carcinogenic nitrites, nitrosamines

不含任何重金属，致癌物质

Pleasant odor and minimized fog or mist 无异味，加工时不产生油雾

Minimized deleterious effect on skin conditions 对皮肤无刺激或损伤

Rejects tramp oil and allows for easy separation

出色的抗杂油性保护985的加工寿命，大幅减低维护要求

Non-hazardous, fully biodegradable, easy for disposal

985切削液本身可生物化解，杂油容易分离，减低废液处理的费用

Can easily be recycled 可循环过滤，再回收适用，减低生产成本

**SUITABLE FOR MACHINING THE FOLLOWING MATERIALS**

Aluminum, Alloys of Aluminum, Alloys of Steel, Copper, Brass, Stainless Steel, HSS, Mild Steel, Cast Iron, sulphur & chlorine sensitive alloys, e.g. Titanium.

**嘉林顿985 适合加工以下金属：**

铝，铝合金，铜，黄铜，不锈钢，低碳钢和高碳钢，铸铁，铁合金，钛钢

**APPLICATION**

Ultra Synthet 985 is suitable for a wide range of machining applications:

Turning, Milling, Cutting, Threading, Tapping, Drawing, Turning, Shaving, Reaming, Sawing, Drilling All CNC operations, Lathes (Turret/Auto/Single Multi-Spindle) and machine centers.

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#### 嘉林顿985 适合加以下加工工艺:

切削, 磨削, 钻孔, 铰孔, 镗孔, 攻丝, 拉削, 各类机床加工中心

#### DILUTION RATE

Aluminium, Alloys of Aluminium, Copper, Brass, Low Carbon Steel	5%
Titanium, Cast Iron	8%
Stainless Steel, High Carbon Steel	5-10%
Threading, Tapping, Drawing, Stamping, Deep Drilling	5-10%
Surface Grinding, Cylindrical Grinding	4%
Refractometer Index: 2	

#### 嘉林顿985 的使用浓度参数:

铝, 铝合金, 铜, 黄铜, 低碳钢	5%
铸铁, 钛钢	8%
不锈钢, 高碳钢	5-10%
重负荷加工工艺	5-10%
磨削	4%
折光系数: 2	

#### SPECIFICATION

Appearance	: Clear Viscous Liquid
Color	: Clear Light Yellow
Density	: 1.01@15°C
Ph (Concentrate)	: 9
Falex (1:20 Solution)	: Pass 2040 Kg (ASTM D 3233)
Foam (5% in Tap Water)	: Fast Break (ASTM D1881)
Heat Stability	: Stable (ASTM D 3707)
Flash Point	: No Flash Point

#### 技术数据

原液外观: 透明淡黄色粘稠液体  
 稀释后: 透明粘稠液体  
 比重: 1.01g/ml at 20 Degree Celsius  
 原液PH: 9.2  
 正常工作范围PH: 8.5 - 9.2  
 闪点: 无闪点  
 气味: 极低



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## CHEMWATCH HAZARD RATINGS 国际化学品管理有毒有害级别

Flammability 可燃性:	0
Toxicity 有毒性:	0
Body Contact 肢体接触:	0
Reactivity 急性中毒:	0
Chronic 慢性中毒:	0

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4 从无毒到非常有害为 0 - 4

## HANDLING 操作的安全注意事项

Refer to Material Safety Data sheet for the further information.

嘉林顿985是无毒，安全环保型产品。有关具体的注意事项，请向嘉林顿公司或我们的经销商索取产品的MSDS。

## PACKAGING 包装

Available in 20 litre plastic drum and 200 litre steel drum.

20L原装进口塑料桶和200L原装进口铁桶

## Coolant System Cleaner

Callington WBD Coolant System Cleaner is recommended for cleaning machine sump and circulation coolant system before trial or dose Ultra Synthet 985. WBD Coolant System Cleaner is available in 20L. Please contact us for more information.

## 机床供液系统清洁剂

嘉林顿WBD是专为机床切削，磨削液循环供液系统设计的清洁剂。

在试用985之前和旧液新液更换之间，请使用嘉林顿WBD供液系统清洁剂。WBD无毒，无味，能有效的清除油污和细菌。使985最少程度的受到乳化液/旧液的影响，保护其加工寿命。有关具体的产品说明，请向嘉林顿公司或我们的经销商索取。

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