

# ProCut S860



## Product Description:

A premium quality semi synthetic micro-emulsion cutting fluid designed for all machining applications & metal types. Designed with additives which give inherent bio-stability, outstanding corrosion protection, and extremely high machining performance. Its inherent stability allows for significant tramp oil contamination with excellent cleanliness properties.

## Product Applications:

Applicable for all machining operations giving greatly superior surface finish and tool life. May be used on stainless, hardened, and mild steels, aluminum & its alloys, and copper & its alloys.

## Recommended Dilutions:

Operation	Material	Dilution (%)
Milling, turning, cutting, reaming	Mild, hardened, & stainless steels	5 - 10%
Grinding	Mild, hardened, & stainless steels	4 - 6%
Milling, turning, cutting, reaming	Aluminum, copper & copper alloys	4 - 6%
Grinding	Aluminum, copper & copper alloys	4 - 6%

## Features & Benefits:

- Superior machining performance
- Excellent corrosion protection
- Excellent cleanliness
- Additive technology gives inherent bio-stability.
- Superior surface finish.
- Extended tool life.
- Eliminates lathe bed corrosion & provides excellent corrosion protection of work pieces.
- Excellent cleanliness of machines
- Exceptional bio-resistance to bacteria & fungi

## Physical Properties:

Test	Units	Result
Appearance		Clear/bright brown fluid
Appearance 5% emulsion in water		Clear / translucent fluid
Density	gm/ml	1.04 typ.
pH (Neat Oil)		9.6
pH (5% in water)		9.4
pH (1% in water)		9.0
Refractometer Factor <sup>1</sup>		1.0

## Health & Safety:

Syntol ProCut S860 is of low to moderate toxicity. It is recommended as with all industrial oils & cleaners that repeated or prolonged contact in neat or diluted form is kept to a minimum. At no time should neat (undiluted) be disposed of into sewers. Disposal either neat or diluted into storm water drains or other waterways should always be avoided. If spillage occurs contact your local council authority or refer to Syntol MSDS. For further advice refer to Syntol NZ Ltd. Phone (09) 634 6004.

## Disclaimer:

All reasonable care has been taken to ensure the information contained herein is accurate at the time of printing. However Syntol NZ Ltd accepts no tortuous or contractual liability for any loss or damages suffered as a consequence of the reliance on the information & advice contained herein.

1. Concentration = Refractometer Factor x Refractometer Reading.