ProCut S866

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, with outstanding corrosion protection & 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 & tool life.
May be used on stainless, hardened, & mild steels, aluminum & its alloys, & copper & its alloys.

Recommended Dilutions:

Operation:	Material:	Dilution (%)
Milling, turning, cutting, reaming	Mild, hardened, & stainless steels	5 - 10%
Grinding	Mild, hardened, & stainless steels	3 - 4%
Milling, turning, cutting, reaming	Aluminum, copper & copper alloys	3 - 5%
Grinding	Aluminum, copper & copper alloys	3 - 4%

Features & Benefits:

- Superior machining performance
- Excellent corrosion protection
- Excellent cleanliness
- Additive technology which gives inherent bio-stability.

- o Superior surface finish.
- o Extended tool life.
- o Eliminates lathe bed corrosion & provides excellent corrosion protection of work pieces.
- o Excellent cleanliness of machines
- o 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)		9.8
pH (5% in water)		9.4
pH (1% in water)		9.0
Refractometer Factor[1]		1.0

Health & Safety:

Syntol ProCut S866 is of low to moderate toxicity. It is recommended as with all industrial oils & cleaners that repeated or prolonged contact with Syntol ProCut S866 in neat or diluted form is kept to a minimum. At no time should neat (undiluted) be disposed of into sewers. Disposal of Syntol ProCut S866, 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 the Syntol MSDS. For further advice refer to Syntol N.Z. Ltd. Phone 09 6346004.

Disclaimer:

1. Concentration = Refractometer Factor x Refractometer reading.