

ProCut M55+



Product Description:

A high performing mineral oil based cutting fluid designed for all machining applications metal types. Its inherent stability allows for significant tramp oil contamination with excellent cleanliness properties & excellent corrosion protection.

Product Applications:

Applicable for all machining operations giving greatly superior surface finish & tool life. Maybe used on stainless, hardened, & mild steels, aluminum & its alloys, & copper & its alloys. Ideally applicable for production machining, especially of copper & its alloys &/or multi-metal production requirements are paramount.

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
- Does not contain amines or other copper staining additives. Anti-staining additives are also incorporated
- Superior surface finish.
- Extended tool life.
- Eliminates lathe bed corrosion & provides excellent corrosion protection of work pieces.
- Excellent cleanliness of machines
- Applicable for long run machining of copper & copper alloys e.g. brass, bronze.

Physical Properties:

Test	Units	Result
Appearance		Clear/bright brown fluid
Appearance 5% emulsion in water		Clear / semi translucent fluid
Density	gm/ml	1.0 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 M55+ is of 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 the 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.