

Aquacut 560



Product Description

Aquacut 560 is an economical fully synthetic cutting fluid giving the superior machining & maintenance properties of synthetic technology at a mineral based fluids price. Its inherent stability allows for significant tramp oil contamination with excellent cleanliness properties & corrosion protection.

Product Applications

Designed primarily as an economic fluid for the machining aluminium, mild, hardened & stainless steels. Applicable for all machining operations giving greatly superior surface finish & tool life over conventional mineral oil based products.

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

- Greatly superior machining performance
 - Superior surface finish
 - Extended tool life. Tool life typically extended by 2 - 3 times over conventional mineral oil products
- Cleaner, less abrasive swarf
 - Reduced cuts from swarf giving better operator acceptance
 - Eliminates the mineral oil smell associated with conventional mineral oil products
- No odour
 - Eliminates lathe bed corrosion & provides a minimum of one weeks rust protection of mild steel work pieces
- Excellent corrosion protection
 - Will clean your machine after a conventional mineral oil product has been used. Cleaner workshop & working environment.
- Excellent cleanliness
 - May be used for copper & copper alloy only work
- Low additive content which leaches copper
 - Environmentally & **Health & Safety** responsible
- Contains no mineral oil, boron, chlorinated paraffins, nitrites, phenols

Physical Properties

Test	Units	Result
Appearance		Clear/bright amber fluid
Appearance 5% in water		Clear / translucent fluid
Density	gm/ml	1.06 typ.
pH (Neat)		9.4
pH (5% in water)		9.1
pH (1% in water)		8.8
Refractometer Factor ¹		1.75

Health & Safety

Syntol Aquacut 560 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 6346004.

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.