

Aquacut 640+



Product Description

A new generation cutting fluid giving the superior machining & maintenance properties of synthetic technology at a mineral based fluids price. Suitable for all types of machining & can be used on most types of metals. Aquacut 640+ possesses inherent bio-stability with the additives incorporated being not easily attacked by bacteria and / or fungi.

Product Applications

Applicable for all machining operations giving greatly superior surface finish & tool life over conventional mineral oil based products. May be used on stainless, hardened, & mild steels, aluminum & its alloys, & for odd job lots, 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

- 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
- No odour
 - Eliminates the mineral oil smell associated with conventional mineral oil products
- Excellent corrosion protection
 - Eliminates lathe bed corrosion & provides a minimum of one weeks rust protection of mild steel work pieces
- Excellent cleanliness
 - Will clean your machine when in use
- Inherently bio-stable additives used giving enhanced bio-stability
 - Resists bacteria / fungi attack
- Contains no mineral oil, chlorinated paraffins, nitrites, phenols
 - Environmentally & **Health & Safety** responsible

Physical Properties

Test	Units	Result
Appearance		Clear/bright amber fluid
Density	gm/ml	1.05 typ.
pH (5% in water)		9.5
pH (1% in water)		9.0
Refractometer Factor ¹		1.25

Health & Safety

Syntol Aquacut 640+ 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.