

ProCut S38



Product Description

An economic high performing semi synthetic cutting fluid designed for all machining applications & most metal types. Its inherent stability allows for significant tramp oil contamination with excellent cleanliness properties & corrosion protection.

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, and 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

- Superior machining performance
 - Superior surface finish.
 - Extended tool life.
- Excellent corrosion protection
 - Eliminates lathe bed corrosion & provides excellent corrosion protection of work pieces.
- Excellent cleanliness
 - Excellent cleanliness of machines

Physical Properties

Test	Units	Result
Appearance		Clear/bright brown fluid
Appearance emulsion 5% in water		Clear / semi translucent emulsion
Density	gm/ml	1.03 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 S38 is of moderate toxicity. It is recommended as with all industrial oils & cleaners that repeated or prolonged contact with Syntol ProCut S38 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 S38, 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 N.Z. Ltd. accepts no tortuous or contractual liability for any loss or damages suffered as a consequence of the reliance on the information and advice contained herein.

1. Concentration = Refractometer Factor x Refractometer Reading.