Engineering & Metal Working Product Range

Micro-Emulsion / Semi-Synthetic Soluble Metal Working Fluids:

Syntol Procut S868:

Micro-emulsion soluble cutting fluid for long coolant life requirements

- Exceptional lubricity allows machining of all metals from aluminium, copper and its alloys to hardened and stainless steels
- Applicable for all machining operations
- Excellent corrosion protection & inherently bio-stable for extended coolant life
- Excellent foam control in operations involving high shear (through coolant) applications

Pack sizes available: 5 litres, 20 litres, 205 litres

Syntol Procut S38:

Multi-purpose all-rounder semi-synthetic soluble cutting fluid for the general engineering machine shop

- Applicable for machining all metal types from aluminium, copper and its alloys to hardened and stainless steels.
- Applicable for all machining operations
- Bio-stability additives incorporated to provide excellent resistance to bacteria & fungi.
- Excellent corrosion protection & foam control.

Pack sizes available: 4 litres, 20 litres, 205 litres

Synthetic Grinding Fluids:

Syntol Aquagrind 750:

Synthetic soluble grinding fluid for use on all applications including, center-less, surface, & cylindrical grinding.

- Excellent corrosion protection.
- Exceptional bio-stability.
- Can machine most metals including mild, hardened, & stainless steels, aluminium. (Not copper or its alloys)
- Exceptional anti-foam and air-release characteristics

Pack size available: 4 litres, 20 litres, 205 litres

Syntol Aquagrind 890:

Premium quality fully synthetic soluble grinding fluid designed for more arduous grinding applications such as grinding hardened or tool steels.

- Excellent corrosion protection.
- Low foam characteristics.
- Additional lubricity additive for enhanced surface finish.
- Excellent bio-stability.

Pack size available: 4 litres, 20 litres, 205 litres

Syntol Aquagrind TC88:

Designed for grinding tungsten carbide but can machine all other metal types including copper and copper alloys.

- Coolant will not discolour (turn purple) when machining with tungsten carbide.
- Extremely low foam characteristics & excellent air release properties.
- Excellent corrosion control & biostability.
- Additional lubricity additive resulting in enhanced surface finish and superior tool life.

Pack size available: 4 litres, 20 litres, 205 litres

Mineral Oil Based Soluble Cutting Fluids:

Syntol Procut M25:

Economical mineral oil-based soluble oil providing very good performance on all types of machining operations & metals.

- Ideal economic fluid for grinding operations requiring a mineral based soluble oil.
- Excellent corrosion protection & foam control.
- Very good bio-stability for resistance to bacteria / fungi.

Pack size available: 20 litres, 205 litres

Syntol Procut M55+:

High-performance multi-purpose mineral oil-based cutting fluid for all machining operations & metal types.

- Ideal for repetitive production applications especially when machining copper and or copper alloys.
- Multi-purpose, multi-metal extreme pressure fortified mineral oil-based coolant.
- Very good corrosion protection, low foam properties.
- Excellent resistance to bacteria & fungi.

Pack size available: 4 litres, 20 litres, 205 litres

Neat Cutting & Tapping Fluids:

Syntol Lubricut 88:

Premium quality, multi-use neat cutting oil, suitable for all machining operations on all types of metals both ferrous & non-ferrous

- Clear fluid allowing job visibility when applicable.
- Excellent extreme pressure properties for all machining operations
- Additional oxidation control to eliminate additive plate-out & oil degradation.

Pack size available: 20 litres, 205 litres

Syntol Lubricut 85:

Extreme pressure fortified neat cutting oil suitable for all machining operations and all metals including both ferrous & non-ferrous.

- Applicable for machining all metals including aluminium, copper, brass, mild and hardened and stainless steels
- Extreme pressure performance for machining operations including gear hobbing, broaching, milling, turning and pipe threading

Pack size available: 20 litres, 205 litres

Syntol Lubricut 99:

Advanced 'EP' additive oil blended with high-quality base oils for arduous applications such as 'gun drilling' and deep hole drilling

- Excellent extreme pressure properties making it applicable for all machining operations
- Light viscosity for exceptional cooling & ease of fluid flow for gun barrel and deep hole drilling
- Additional oxidation stability to avoid additive plate-out and oil degradation
- Applicable for machining all metals except copper and copper alloys.

Pack size available: 20 litres, 205 litres

Syntol Black Tapp:

Tapping fluid for use in all tapping, drilling & threading operations on all metal types both ferrous & non-ferrous.

- Higher viscosity fluid which sticks to workpiece.
- Excellent lubricity characteristics.
- Water soluble thereby emulsifying into metal-working coolant, or parts can be water washed after machining.

Pack size available: 500mls. 4 litres, 20 litres

Rust Preventatives:

Syntol Cortek RP85:

Quick dry rust preventative providing an easily removed light greasy film

- Provides 3 - 6 months protection of parts when stored inside.
- Light carrier solvent for quick dry-time.
- Dewatering properties to eliminate spot or flash rusting occurring.

Pack size available: aerosol, 5 litres, 20 litres, 205 litres

Syntol Cortek DF87:

Rust preventive / de-watering fluid which imparts an easy to remove oily film

- Provides 3 – 6 months protection of parts when stored inside.
- Dewatering properties to eliminate spot or flash rusting occurring.
- Additional anti-corrosion additives giving an extra layer of protection

Pack size available: aerosol, 5 litres, 20 litres, 205 litres

Syntol Cortek RP95:

Heavy-duty rust preventative providing indoor & outdoor corrosion protection.

- Provides 12 months protection of parts / machinery when stored outside.
- Hard residual film which can be removed with kerosene or turpentine solvents
- Light carrier solvent for quick dry time eliminating creep of rust preventive film
- Dewatering properties to eliminate spot or flash rusting occurring.

Pack Size: available 4 litres 20 litres

Spark Erosion Fluid:

Syntol Solvo SE110:

Low odour and colourless fluid with an elevated flash point (PMCC 110C).

- Low viscosity fluid for enhanced surface finish.
- Elevated Flash point (PMCC 110C) for enhanced Health & Safety protection.
- Non-aromatic hydrocarbon fluid, protecting hoses & parts from solvent degradation.
- Low odour fluid for operator acceptance.

Pack size available: 200 litres

Metalworking System Sterilizers and Cleaners:

Syntol Aquaclean CS50:

Sterilising/cleaning agent designed for use in CNC lathes, mills, grinding machines & other machinery utilizing soluble metalworking fluids.

- May be used a tank-side additive or machine sterilizer when changing metalworking coolant
- Extremely effective bacteria / fungi killing activity.
- Sludge breaking down additives incorporated.
- Anti-corrosion additive added to protect CNC's & lathes etc.

Pack size available: 4 litres, 20 litres

Syntol Aquaclean CS100:

Biocide product for tank side additions to control bacteria and fungi.

- Very powerful - 100% biocide.
- Low treat rates required only - use a little only to get desired result.

Pack size available: 4 Litres

Hi-Pro Industrial Cleaners:.

Hi-Pro Solvoclean SD:

Non-aromatic solvent designed to degrease parts in wash bath situations.

- Non-aromatic containing solvent for H&S and operator acceptance.
- Non dangerous good, classified solvent to avoid DG volume & storage issues.
- Excellent grease cutting & oil dispersing properties.
- Leaves light film on workpieces which can act as temporary rust preventative (2 -4 weeks).

Pack size available: 20 litres, 200 litres

Hi-Pro Solvoclean T95:

Water-soluble turpentine-based degreaser.

- Parts may be rinsed off with water after degreasing operation.
- Very effective oil, grease and dirt removing properties.

Pack size available: 4 litres, 20 litres, 205 litres

Hi-Pro Super Ripper:

Powerful water-based, biodegradable general-purpose cleaner and degreaser.

- Excellent removal of dirt, oil, grease & soils from all hard surfaces and parts.
- Useable on all surfaces, materials and parts.

Pack size available: 4 litres, 20 litres, 205 litres

Hi-Pro Kerosene:

Multi-use kerosene solvent for parts washing and degreasing.

Pack size available: 20 litres, 200 litres

Hi-Pro White Spirits:

Multi-use solvent for parts washing and degreasing.

Pack size available: 20 litres, 200 litres

Hi-Pro Solvolite:

Quick dry solvent for rapid removal of oil and grease from all surfaces.

Pack Size available: 20 litres, 200 litres

Hi-Pro Orange Power Cleaner:

Multi-purpose cleaner for all applications, removing soils from engine blocks to glass surfaces depending on dilution.

- True multi-purpose cleaner / degreaser
- Citrus based, gives pleasant odour and great grease cutting power

Pack Size: 5 litres, 20 litres

Hi-Pro Citrus Grit Hand Cleaner:

Highly effective citrus based hand cleaner

- Effective removal of grease and grime from hands
- Non-irritating formulation
- Moisturizers incorporated avoiding drying out of skin,

Pack Size: 5 Litres, 20 litres

Metal Compatibility

Coolant	Mild Steel	Cast Iron	Stainless Steel	Aluminium	Brass/Copper Alloys
Procut S868	✓	✓	✓	✓	✓
Procut S38	✓	✓	✓	✓	✓
Procut M25	✓	✓	✓	✓	✓
Procut M55+	✓	✓	✓	✓	✓
Aquagrind 750	✓	✓	✓	o	x
Aquagrind 890	✓	✓	✓	✓	✓
Aquagrind TC88	✓	✓	✓	✓	✓

✓ Good Compatibility - Suitable for continuous use

o Average Compatibility - Suitable for use occasionally

x Poor Compatibility - Use it intermittently in short runs.

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