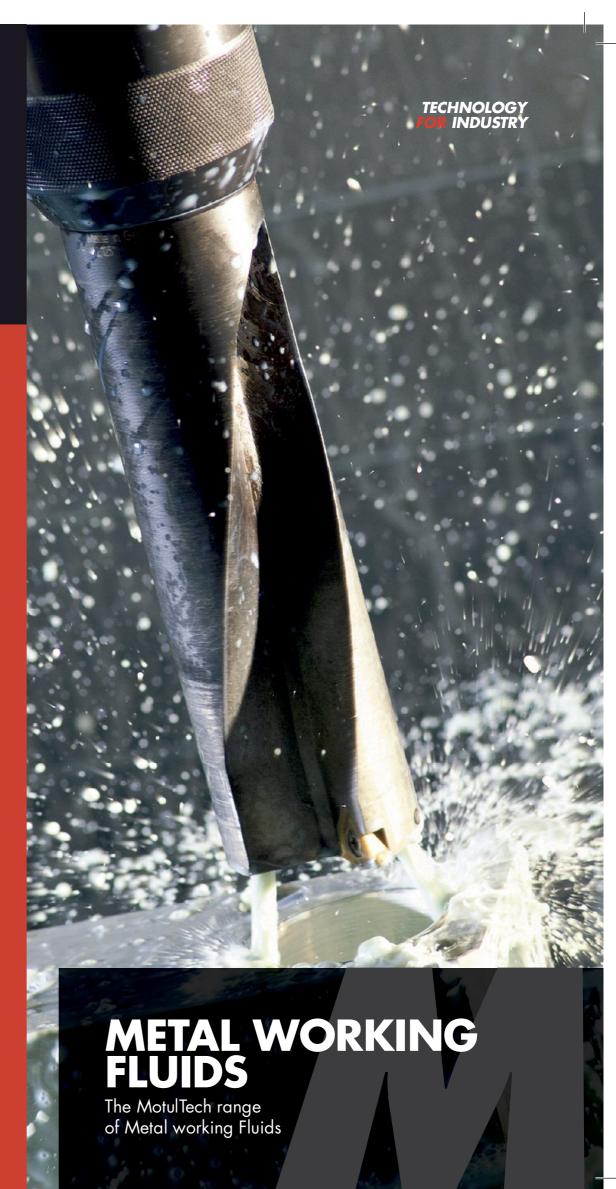
HECH



MOTUL TECH

MotulTech is a division of the Motul group, an international French industrial group, specialist for more than 150 years in high performance lubricants.

MotulTech develops, manufactures and markets industrial high technology lubricants for the machining and transformation of metals, as well as high performance lubrication of industrial equipment.

MotulTech has its presence in many countries all over the world through its products and services as well as production and R&D.

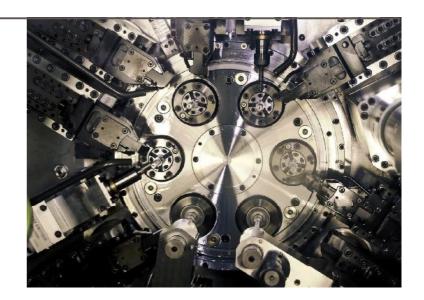


METAL WORKING

Every machining application is unique, each one of our customers has specific requirements.

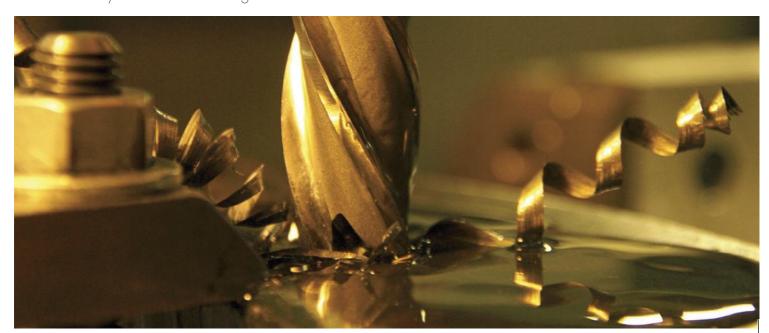
It is for this reason that MotulTech offers its industrial customers a wide range of soluble and neat machining fluids.

This range is the result of a long collaboration with machining specialists. Listening to your requirements, our experts develop products that reconcile the search for high performance and productivity with the respect for users and environment. Experts that put at your service their knowledge of your applications and your area of activity.



Designed to optimise the performance/consumption pair, these products enable to obtain high quality parts at the highest production rates. Their formulation meets the strictest health & safety requirements and their maintenance is easy.

MotulTech thus proposes to you a set of comprehensive solutions, including products and services, soluble fluids, neat oils and micro-pulverising products. The answer to your technical, quality or productivity problem can always be found in our range.





THE ADVANTAGES OF THE MOTULTECH METALWORKING FLUIDS RANGE

Savings of tools

Reduction in the tooling cost

Improved productivity of machines

More produced parts

Safety for users

☑ Neat chlorine free fluids, high H&S soluble fluids

Improved surface condition and improved

geometry of parts

☐ Lesser faults, lesser rejections

Savings of machining fluids

✓ Fluid products, less drag

Easy to implement

 \square Increased machine availability

Service: Personalised professional monitoring

of operating fluids

☐ Equipment and services for optimum use of machining fluids



THE RANGE OF MOTULTECH SOLUBLE MACHINING FLUIDS



The range of High Performance MotulTech cooling lubricants offers a large choice of **effective**, **innovative** and **economical solutions** for the most specialised industrial applications.

Their formulation meets the strictest requirements of the current legislation.

MotulTech proposes, in addition, an entire range of products and services to ensure the **maintenance of fluids** and to guarantee a high performance level.

THE MOTULTECH SOLUBLE FLUIDS RANGE OF PRODUCTS





STABILIS RANGE – FINE EMULSIONS

The STABILIS fine emulsions are characterized by their high performance level. Multipurpose products, with aeronautical specificities, they are adapted to all kind of metals. STABILIS emulsions are high-performance cutting fluids with the common following features

- Multipurpose products
- Very good bio-stability

STABILIS 9233 - fine mineral oil emulsion, chlorine free, dedicated to standard to severe machining on all metals, including aeronautical aluminum alloys, compatible with soft to hard water.

- product designed for the aeronautical sector
- good foaming behavior
- good anticorrosion properties
- excellent lubrication properties

STABILIS 9223 - fine mineral oil emulsion, chlorine and boron free, dedicated to standard to severe machining on all metals, compatible with medium to hard water.

- multipurpose product
- chlorine and boron free product
- good value for money

The semi-synthetic fluids of the SAFKOOL range SAFKOOL RANGE - SEMI-SYNTHETIC FLUIDS provide the best compromise between the lubricating and cooling qualities. The following characteristics of this range make it particularly adapted to the constraints found in the automobile industry

- Multi-purpose

SAFKOOL 6223 - semi-synthetic fluid, chlorine free, for standard machining on all metals, except aeronautical aluminum alloys.

- multipurpose product
- good foaming behavior in soft water to medium water
- excellent cooling properties

SAFKOOL 6213 - semi-synthetic fluid dedicated to grinding and standard machining on ferrous

- good behavior in medium to hard water
- excellent cooling properties
- good value for money

SAFKOOL 6113 - semi-synthetic fluid, dedicated to grinding and standard machining on ferrous metals.

- compatible with soft to hard water
- top tier grinding product suitable for all kind of grinding operations
- excellent anticorrosion and cooling properties

The LUBRILIS range includes milky emulsions with high lubricating properties. Those lubricating fluids are suitable for ferrous materials and recommended for simple to difficult machining

- Very good anticorrosion protection
- High bio-stability

LUBRILIS 793 - mineral oil emulsion, chlorine free, dedicated to standard to difficult machining, mainly on ferrous materials.

- compatible with soft to hard water
- good tramp oil rejection
- good value for money



BIOCOOL is a range of synthetic cutting fluids, with excellent wetting and cooling qualities. Below some common features

- Rapid settling of metal particles

BIOCOOL 3113 - synthetic fluid dedicated to grinding operations on ferrous metals

- -compatible with soft to hard water.
- -good value for money
- -very good anticorrosion and cooling properties

MAINTENANCE PRODUCTS



A complete range for the treatment of installations and soluble machining fluids of the MotulTech range. Those products enable to ensure the maintenance of installations and maintain the characteristics of your soluble machining fluids in the best conditions.

✓ Anti-foaming

✓ PH booster

■ Bactericides fungicides

✓ Cleaners

CONTRAM CB1: Disinfecting cleaner for baths and installations, to be used before draining soluble machining fluids at the end of life (CONTRAM CB3: formaldehyde free version).

BECROSAN CP 2142: pH booster.

BECROSAN CP 2125: Boron free Ph booster

CONTRAM 125: Bactericide for the preventive and curative maintenance of soluble machining fluids (CONTRAM NBF34: formaldehyde free version). Powerful fungicide for the preventive or curative treatment of soluble machining fluids (DENSIL DG20: formaldehyde free version).

FOAM BAN TK201: Anti-foaming agent for the localised treatment of soluble machining fluids.

Dedicated to machining by removal of chips, the range of SUPRACO neat oils covers a large number of applications: Bar turning, Threading, Turning, Truing, Drilling, Tapping, Sawing, Boring, Milling, Broaching, etc.

It enables to provide a customised solution for each type of application and to make a rational choice by using the "multifunction" nature of certain references.

Every range reference has a specific viscosity and formulation established for every process by taking into account the working speeds, machining complexity and the quality required.



- Clear products favouring the viewing of operations in progress
- Odourless products, comfortable for the operator to use
- \square A perfect balance between the cooling and lubricating qualities
- \square Great stability of additives guaranteeing the performance of lubricants over time
- ✓ Low consumption (suitable performance in service, viscosity)
- \square Optimum extreme pressure performance without the use of chlorinated compounds
- Maximum anti-wear performance guaranteeing the lifespan of tools
- ☐ Specific additives guaranteeing unrivalled surface conditions
- \square Waste that can be easily removed or reclaimed
- ☐ Good resistance to foaming (high spraying pressure UGV)
- ☐ Good compatibility with degreasing solvents

SUPRACO 1000 - Available in 2 viscosities (15 and 30 cSt), the SUPRACO 1000 series offers an excellent price/performance ratio for simple machining of medium hardness materials, ferrous, non-ferrous and yellow metals.

Products: SUPRACO 1015 and SUPRACO 1030

SUPRACO 2000 - Available in 2 viscosities (15 and 30 cSt), the SUPRACO 2000 series is designed to meet standard and medium severity machining operations on ferrous and non-ferrous metals on all types of machine tools

Products: SUPRACO 2015 and SUPRACO 2030

SUPRACO 3000-Dedicated to difficult machining of ferrous and non-ferrous metals, particularly titanium as well as different grades of stainless steel, the SUPRACO 3000 range can be used on all types of machines (UGV or semi-auto) for the machining of mass production parts with moderate removal of chips.

Products: SUPRACO 3015 and SUPRACO 3030

SUPRACO 4000 - Available in 2 viscosities to conform to all types of applications ranging from grinding, to deep hole drilling including broaching and gear shaping, the SUPRACO 4000 range is compatible for the machining of ferrous and nonferrous metals on all types of machine tools. This range of products is specifically formulated to withstand extreme stresses generated by intensive use (temperature, spraying pressure, feed speed)

SUPRACO 4030 is a dual-purpose cutting/lubrication product.

Products: SUPRACO 4015 and SUPRACO 4030



Grinding products of the entire MotulTech range have been formulated to effectively meet the requirements of superfinishing operations. Every product of the range meets a specific requirement.

- Base oils selected to limit vaporisation and mist
- ☐ High efficiency
- ☐ Good settling of fines
- Adapted viscosities limiting the consumption by drag
- ☐ Compatible with ferrous and non-ferrous metals
- ✓ LAP Master approvals.

PROFILINE 1008

High Extreme Pressure grinding product ensuring the anticorrosion protection of parts after machining..

SUPRACO 559 LP2

Ultra fluid product (5cst) for all grinding operations, compatible with all metals. Lap Master approved.



MOTULTECH LUBRICANTS FOR MACHINE TOOLS

In addition to its machining fluids, MotulTech offers its customers a wide range of maintenance lubricants for machining tools. These lubricants are formulated to ensure perfect compatibility with MotulTech machining fluids.

Hydraulic fluids: RUBRIC HM and RUBRIC HV ranges

Way oils: SLID FILM ranges Spindle oils: SPEED ranges

Lubricants for gears and bearings: SUPRAGEAR and IRIX ranges

THE SERVICE ASSOCIATED WITH THE MOTULTECH MACHINING FLUIDS

In order to guarantee easy implementation, optimum performance and extended service life for its machining fluids, MotulTech propose to its customers a set of suitable services and equipment. These services and equipment concern:

- Product recommendation: Advice in finding the product most adapted to your requirements
- Technical validation, on site, of the recommended product and its implementation at the scale of your company with audits, analyses, equipment, methods
 - Monitoring of the product in service, including analyses, training, maintenance equipment (oil separators, etc.)
- => A complete catalogue of the MotulTech Service offer is available with your MotulTech sales representative.

THE MOTULTECH OFFER

MotulTech is a global player in Industrial Lubricants. It brings to its customers high end products, skills and services.

PRODUCTS: Motul Tech offers performance and quality through very complementary product ranges.

APPLICATION	PRODUCT RANGE / PRODUCT		
metal work i ng			
Soluble cutting fluids	Lubrilis	Safkool	Stabilis
Cutting/Superfinishing neat ails	Supraco	Supracut	Profi l ine
Neat forming/Cold forging oils	Cadrex	Universe ll e	
Heat treatment	Thermic		
High Pressure Die casting	Casting	Pistocast	
Extrusion	Stag		
Protection & Cleaning	MT Protect	Safco Kleen	
	INDUSTR I AL LU	BRICAT I ON	
Hydraulic fluids	Rubric	Rubric Bio	Drive
Slideway Oils	Slid Film	Supraslide	
Gear Lubricants	Supraco MPL	Cim l ube HG	
Compressor Oils	Alterna	Vis	Bar
Chain & Conveyor Lubricants	Cim l ube HE	Cimlube HM	Irix HP
High Performance Greases	Irix HP	Cimlube	Tech Grease
EOPLE: Everywhere in the worl		0.00	THE PARTY

PEOPLE: Everywhere in the world, MatulTech professional teams of Jubrication are servicing in.ustrial customers.

SERVICE: Advices, product monitoring, technical assistance for MatulTech customers.

R&D: Innovation drives MorulTech. With laboratories in the main industrial creas of the world, MotulTech finds sew solutions for tomorrows industry.

LOGISTIC: As an industrial supplier, MatulTech was to affer a perfect logistic to its austomers. This is our commitment.

QUALTY: The MotulTech commitment for quality is certified by ISO 9001 and ISO TS1 5947. It allows MatulTech to guarantee Premium quality products all over the world.

CONTACT

MOTUL TECH and MOTUL TECH division of the Baraldi

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