

	YELLOW METALS	ALUMINUM	STEEL AND ALLOYS	INOX	TITANIUM	CAST IRON
Safelub S 702 AM	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable	Not suitable
Safelub I 952 AM	Very suitable	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable
Safelub MG AM	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable	Not suitable
Safelub DEC 2 AM	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable	Not suitable
Kutilub DI AM	Not suitable	Very suitable	Very suitable	Very suitable	Very suitable	Not suitable
Kutilub FP 4 AM	Not suitable	Not suitable	Very suitable	Very suitable	Suitable	Not suitable
Kutilub DA 3 AM	Very suitable	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable
Kutilub TF 9 W	Not suitable	Not suitable	Very suitable	Very suitable	Very suitable	Not suitable
Microspray MA AL	Very suitable	Very suitable	Not suitable	Not suitable	Not suitable	Not suitable
Microspray BIO E 22	Not suitable	Very suitable	Very suitable	Not suitable	Not suitable	Not suitable
Safelub BIO 35	Not suitable	Very suitable	Not suitable	Not suitable	Not suitable	Not suitable
Safelub BIO ST	Not suitable	Not suitable	Very suitable	Not suitable	Not suitable	Not suitable
Safelub BIO E 46	Not suitable	Not suitable	Very suitable	Very suitable	Very suitable	Not suitable
Kutilub ER 1	Very suitable	Very suitable	Very suitable	Very suitable	Very suitable	Not suitable
Form 925/50	Not suitable	Very suitable	Very suitable	Very suitable	Not suitable	Very suitable
Starform P 40 S	Not suitable	Not suitable	Very suitable	Very suitable	Very suitable	Not suitable
Microspray SCH	Very suitable	Very suitable	Suitable	Not suitable	Not suitable	Not suitable
Form EV 770	Very suitable	Very suitable	Very suitable	Suitable	Not suitable	Not suitable
Form EV 810	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable	Not suitable
Form EV 832	Very suitable	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable
Form EV 883	Very suitable	Very suitable	Very suitable	Very suitable	Very suitable	Not suitable
Form EV 4	Very suitable	Very suitable	Very suitable	Not suitable	Not suitable	Not suitable

Very suitable
  Suitable
  Not suitable



**THE UNIL RANGE**

- Engine oils**
  - ◆ Synthetic and mineral oils for light petrol up to heavy diesel engines
  - ◆ Two-stroke engine oil
- Transmission oil**
  - ◆ Mineral and synthetic
  - ◆ Multigrade, API GL4 and GL5
  - ◆ A.T.F. oils
- Hydraulic liquids**
  - ◆ Hydraulic oils filtered at 3 micron
  - ◆ Zinc-free and zinc-based hydraulic oils
  - ◆ Non-flammable hydraulic liquids
- Specialities for the industrial sector**
  - ◆ Compressor oil
  - ◆ Compressed air lubricant
  - ◆ General lubricant
  - ◆ Transformer oil
  - ◆ Gear oil
  - ◆ Thermal oil
  - ◆ White oils
- Spray**
  - ◆ Silicones
  - ◆ Gear and sprocket
  - ◆ Anti-corrosion
  - ◆ Tap oil
  - ◆ Brake cleaner
  - ◆ Penetrating oil
  - ◆ White grease
  - ◆ Food-grade
  - ◆ PTFE
- Winter products**
  - ◆ Anti-freeze
  - ◆ Coolants
  - ◆ Windscreen washer anti-freeze
- Metalworking**
  - ◆ Cooling and cutting oils for ferrous and non-ferrous metals
  - ◆ Abrasives
  - ◆ Vapourisable products
  - ◆ Micro-spraying
  - ◆ Way oils
- Food industry**
  - ◆ Lubricants for the food industry (USDA H1/NSF)
- Grease**
  - ◆ Bearing grease
  - ◆ Multipurpose grease
  - ◆ Grease containing PTFE, graphite and MoS2
  - ◆ Biodegradable grease
  - ◆ Grease for high and low temperatures
  - ◆ Specialities
- High grade range for motorcycles**
  - ◆ Oils for engines, transmissions, forks and chains
- Equipment**
  - ◆ Grease pumps
  - ◆ Skimmers
  - ◆ Refractometers
  - ◆ Filtration equipment
  - ◆ Dosing pumps
  - ◆ Hose reels
  - ◆ Drain trays
- Horticulture and forestry**
  - ◆ Chainsaw oil
  - ◆ Biodegradable oils and grease
  - ◆ Two-stroke oils
- Cleaning products**
  - ◆ Degreasers
  - ◆ Hand soap
  - ◆ Absorbent granules

**Info**  
 Are you unsure about the type of lubricant you need for your machinery? Contact our technical department, they will gladly help you choose the correct product.  
 Contact us by phone: +32 (0) 2 365 02 00 or by email: [info@unil.com](mailto:info@unil.com)

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ISO 9001 - ISO 14001  
Certified



CUTTING OILS



PRODUCT	VISCO-SITY	CHLORINE	APPLICATION
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#### Multiple processes: Standardization

<b>Safelub S 702 AM</b>	17 Cst	✘	Thin cutting oil with good lubricity and good cooling capacity. Wide range of processes (e.g. turning, reaming, gear grinding, ...). Very long tool life.
<b>Safelub I 952 AM</b>	21 Cst	✘	All-round cutting oil with good EP properties. For yellow metals, all types of steel including stainless steel. Clear, odourless, with no misting. For turning, milling, drilling, tapping, gear cutting, etc.

#### Honing/Grinding

<b>Safelub MG AM</b>	9 Cst	✘	Extremely thin, liquid, high quality cutting oil. Ideal for use with non-ferrous metals and yellow metals. Can also be used on steels. Very good cooling and lubrication properties, anti-mist (= no mist formation). Ultra-fine surface finish.
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#### Longitudinal turning

<b>Safelub DEC 2 AM</b>	20 Cst	✘	Ideal for brass, soft and semi-hard steel types.
<b>Kutilub DI AM</b>	24 Cst	✓	Ideal for hard steel alloys and stainless steel. Not suitable for yellow metals!
<b>Kutilub FP 4 AM</b>	15 Cst	✓	Thin oil with good EP properties for steel and stainless steel machining. Reduced smoke formation during machining.

#### Tapping

<b>Safelub I 952 AM</b>	21 Cst	✘	All-round cutting oil with good EP properties. For yellow metals, all types of steel including stainless steel. Clear, odourless, with no misting. Excellent tapping results.
<b>Kutilub DA 3 AM</b>	32 Cst	✓	All-round cutting oil for difficult processes, for both slow and high speeds. Also for use on brass.
<b>Kutilub TF 9 W</b>	160	✓	Specifically formulated as a tapping and thread cutting oil for machining at slow speeds. Heavy additives resulting in a very strong product. The oil is water washable with a good surface finish.

✘ = Not present, ✓ = Present

PRODUCT	VISCO-SITY	CHLORINE	APPLICATION
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#### For milling aluminium with dosing caps

<b>Microspray MA AL</b>	27 Cst	✘	Biodegradable oil, specially developed for aluminium but can also be used on non-ferrous metals. Suitable for sawing and all kinds of milling and cutting operations.
<b>Microspray BIO E22</b>	22 Cst	✘	Biodegradable oil based on synthetic esters. For use on steel and aluminium but not on yellow metals. For milling, drilling, sawing, and cutting.
<b>Safelub BIO 35</b>	35 Cst	✘	Vegetable-based biodegradable oil with very high lubricity. Ideal for machining aluminium. Not suitable for yellow metals. Can also be misted.
<b>Safelub BIO ST</b>	50 Cst	✘	All-round use for various steel machining processes. Excellent for steels and alloys. Biodegradable.

#### Gear grinding

<b>Safelub MG AM</b>	9 Cst	✘	Extremely thin, liquid, high quality cutting oil. Ideal for use with non-ferrous metals and yellow metals. Can also be used on steels. Very good cooling and lubrication properties, anti-mist (= no mist formation). Ultra-fine surface finish.
<b>Safelub S 702 AM</b>	17 Cst	✘	Thin cutting oil with good lubricity and good cooling capacity. For a wide range of machining options with a very long tool life.

#### Gear cutting

<b>Safelub BIO E 46</b>	46 Cst	✘	Based on synthetic esters and is biodegradable. Not suitable for yellow metals.
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#### Deep drilling

<b>Kutilub FP 4 AM</b>	15 Cst	✓	Thin oil with good EP properties for machining steels including stainless steel. Ideal for deep drilling.
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#### Electric discharge machining

<b>Kutilub ER 1</b>	2.4 Cst	✘	For the cooling and removal of micro-chippings with electric discharge machining. Can harm rubber seals.
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PRODUCT	VISCO-SITY	CHLORINE	APPLICATION
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#### Forming/punching

<b>Form 925/50</b>	16 Cst	✘	Oil with EP additives for forming, light deep drawing, wire drawing, ... Prevents adhesion to the stamps. Can be misted.
<b>Starform P 40 S</b>	122 Cst	✓	Used for the striking, cutting and forming of ferrous metals with a thickness of up to 8 mm. Ideal for heavy machining processes (striking bolts, stamping, punching, ...) on extremely hard materials such as stainless steel, chromium/nickel alloys, ...

PRODUCT	VISCO-SITY	CHLORINE	SOLVENT	APPLICATION
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#### For milling aluminium with metering system

<b>Microspray SCH</b>	1.1 Cst	✘	99%	Ideal for cold forming and punching metals. Also for light cutting and sawing processes.
<b>Form EV 770</b>	1.6 Cst	✘	96.4%	Good for different forming processes such as folding, deep drawing, ... The oil presents no risks whatsoever to final processing such as welding, painting,... and this without prior degreasing!
<b>Form EV 810</b>	1.2 Cst	✘	98.9%	Comparable with the EV 770 but with even faster evaporation
<b>Form EV 832</b>	1.3 Cst	✘	94.9%	Comparable with the EV 770 and the EV 810 but even more EP (so stronger). Moderate evaporation.
<b>Form EV 883</b>	5 Cst	✘	50%	Product based on fatty alcohol. For forming and cutting steel to 5 mm. Long cutting tool life.
<b>Form EV 4</b>	1.5 Cst	✓	86.8%	Ideal for forming sheet steel to a thickness of 15/10. Slow evaporation, misting and degreasing not required.