



## Technical Liquids

- environmentally-friendly
- economical
- effective



## Technical Liquids

Environmental protection, economic efficiency and health and safety at work - these are all requirements which every company has to fulfil to an increasing degree. That is why products and production systems that reach these requirements are becoming all the more important.

WEICON Technical Liquids achieve these requirements to a large degree:

- they contain no flammable propellants
- no extensive or costly disposal is necessary
- emissions are reduced
- less packaging refuse
- only the substance itself is processed



WEICON Technical Liquids are available for the following areas of application:

- Cleaning and degreasing
- Lubrication, care and maintenance
- Release and separating
- Surface and anti-corrosion coatings



## Cleaner S

Cleaner S removes oily and greasy soiling from all metals, ceramics, glass and most plastics. It may, however, attack the surface of thermoplastics such as PVC, plexiglas, polystyrene, and simple paint coats. WEICON Cleaner S evaporates quickly and, unlike conventional thinners, without leaving residues.

### Areas of application

- as pre-treatment before priming and coating/painting
- for cleaning of machine parts and tools
- as pre-treatment before use of other products, when a greasy surface would affect performance



**New**

## Mould Cleaner

Highly active substances (organic solvents) serve to clean the surfaces of plastic, steel and aluminium moulds from remaining layers of resin, release agent residues and other substances.

Even oils, silicones and PUR residues (in non-cured condition) can be removed efficiently.



## Workshop Cleaner

Workshop Cleaner cleans and degreases all metals, plastics, types of rubber, glass, ceramics and wood. It removes grease, oil, resin, rust, wax, nicotine, insect dirt, bitumen and tar specks.

Workshop Cleaner is free of solvent, emulsifier and phosphate as well as oil removal accommodating (ÖNORM B 5105) and, in accordance with EC-guidelines, bio-degradable. By designated use the requirements of the German Food and Consumer Goods Laws are fulfilled. It is highly concentrated and can be watered down to the proportion 1:40 (max.).



### Areas of application

- machines and all kinds of tools
- work shop facilities e.g. work benches, shelves, sliding doors, industrial flooring
- motor vehicles, e.g. forklift trucks, pallet trucks, lorries, indoor transporters
- motor parts, e.g. oil sumps, valve covers, starters, generators

Workshop Cleaner contains selected foamless tensides and, in addition to manual cleaning, can be used in high-pressure cleaners, part washing machines and spray apparatuses (e.g. Pump Dispenser WPS 1500). Special ingredients provide temporary corrosion protection.

	Recommended application concentration				
	undiluted	1:10	1:20	1:30	1:40
Aluminium parts					•
Chromium, stainless steel and plastic				•	
Diesel residue	•				
Grease, soot, bitumen and tar splashes	•				
Hard floors		•			
Industrial floors, forklift trucks				•	
Insect dirt		•			
Inspection pits		•			
Lorries (also tarred canvases)		•			
Machine tools				•	
Machines, engines, oil/oil residues		•			
Repair parts					•
Steel degreasing			•		
Workshop equipment				•	

## Parts and Assembly Cleaner

Especially developed cleaner for coarse, oily and greasy soiling.

Because of the long working time, also suitable for cleaning bigger or heavily resinified surfaces.

**New**

Due to the high flash point ( $> +60^{\circ}\text{C}$  ( $+140^{\circ}\text{F}$ ) of the active substance), this cleaner corresponds to the former German Vbf-classification AIII and complies with the co-operative recommendations for the safety at work. This is an advantage compared to traditional AI or AII cleaners.



### Areas of application

- Cleans quickly and efficiently all kinds of assembly parts, aggregates, construction parts and tools
- Removes oils, greases and other soiling from all metal parts
- In the automotive sector: Cleans brakes, clutches, motor parts, etc.

Parts and Assembly Cleaner is free of acetone, butanol, ethyl acetate, etc.



## Brake Cleaner

Brake Cleaner is a multi-purpose cleaner especially for the automotive sector. Unlike conventional thinners, WEICON Brake Cleaner evaporates quickly without leaving residues. It quickly cleans and degreases metals, glass, ceramics and many plastics.



### Areas of application

Removes oily and greasy layers and residues

- on brakes (drum and disk brakes, linings, brake pads, cylinders, springs and bushes)
- on clutches (clutch linings and components)
- on engine components (carburetors, fuel and oil pumps, transmissions etc.)

\* Before use, check surface compatibility.



## Plastic Cleaner

Plastic Cleaner is the ideal product for the cleaning and degreasing of sensitive surfaces.\*

Due to the use of aggressive cleaners, many plastics, for example, are attacked in such a way that their surface structure is changed. Stress cracks, brittleness, and/or matt surfaces are the result.

A further use of these materials is often not possible for optical or technical reasons.



Due to a special formula, Plastic Cleaner prevents all types of damage. It is thus particularly suited for surface treatment in the adhesion of sensitive plastics, rubbers, or even painted surfaces.

In comparison with conventional thinners, Plastic Cleaner evaporates without residue.

### Areas of application

- Cleaning and degreasing of:
  - Sensitive plastics like thermoplasts (PVC, PMMA = plexiglass, polystyrene, etc.), e.g. window frames, roller blinds, plastic profiles
  - Rubber materials such as seals
  - Lacquered surfaces, such as powder-coated metal parts
- Removal of the rest of labels and stickers

\* Before use, check surface compatibility.

## Surface Cleaner

**New**

Is used for cleaning and degreasing surfaces to be joined or sealed with WEICON adhesives and sealants. WEICON Surface Cleaner can be applied on materials like metal, glass, ceramic and most plastics\*. Only grease-free and clean surfaces guarantee both good adhesion and reliable curing of the adhesive.

### Areas of application

- Cleaning and degreasing of surfaces as preparation before bonding with WEICON adhesives
- Cleaning and degreasing of machine parts during service works

\* Check surface compatibility prior to use.



## Sealant and Adhesive Remover

Removes residues of hardened sealants and adhesives as well as lacquers and paints. Can be used on metal, wood, glass, ceramics, polyethylene and polypropylene - also on vertical surfaces. It should not be used on less resistant plastics, such as PVC, synthetics, linoleum etc.

### Areas of application

- Almost all kinds of sealant residues, e.g. on cylinder heads, oil sumps, water pumps, exhaust manifolds, valve covers and gearbox flanges
- Oil carbon deposits, paints, lacquers, oils, resins, greases, tar; lubricating and sliding agents
- Adhesives, e.g. even cured cyanoacrylate and anaerobic adhesives



## AT-44 Allround-Fluid with PTFE

WEICON AT-44 Allround Fluid with PTFE is used in all sectors of industry and workshops. By its special formula (extremely low friction coefficient due to a high content of PTFE) the product combines effectiveness in:

- corrosion prevention
- cleaning
- water displacement
- lubrication
- preservation



### Areas of application

- loosens seized threads, bolts, fittings and valves
- displaces moisture from electrical leads
- prevents leak currents and facilitates starting of damp engines
- eliminates squeaky and creaky noises on hinges, guides, bearings and all kinds of joints and couplings
- cleans contaminated surfaces and leaves a very thin film which does not smear, is not sticky and repels dust
- protects and preserves tools, machines, electrical and mechanical precision equipment (measuring tools, locks and weapons) and keeps them operational

WEICON AT-44 is strong, silicone-free and resists all atmospheric influences. Therefore, it is suitable for almost unlimited applications in workshops, the automotive industry, the marine and electrical industry, agriculture, households and for hobbies.

## W 44 T Turbo-Power-Fluid

W 44 T Turbo-Power Fluid is a product for all servicing and maintenance works. By its special formula and excellent penetrating properties the product combines effectiveness in corrosion prevention, cleaning, water displacement, lubrication and preservation. W 44 T offers good resistance against atmospheric influences.



### Areas of application

- loosens seized threads, screws, bolts, fittings and valves
- displaces moisture from electrical leads, prevents leak currents and facilitates the starting of damp engines
- eliminates squeaky and creaky noises on hinges, guides, bearings and all kind of joints and couplings
- cleans contaminated metal surfaces and leaves a long lasting very thin film which does not smear, is not sticky and repels dust
- protects and preserves tools, machines, electrical appliances and mechanical precision equipment and keeps them operational

## Silicone

An ideal sliding and release agent for efficient production and maintenance. At the same time, it protects and preserves plastics, rubbers and metals.

### Areas of application

- prevents the build-up of adhesive residues on presses and guides
- prevents products from sticking to conveyor belts, chutes and slideways
- protects electrical contacts from moisture
- preserves rubber, plastic and metal parts
- prevents embrittlement, freezing and sticking of rubber parts
- ensures smooth operation of car sunroofs, seat rails and safety belts

Silicone provides a long-lasting separating film and a good surface finish.

## Bio-Cut

Bio-Cut is a cooling lubricant which is not water-miscible and is primarily used for the metal cut and non metal cut processing of low to highly alloyed steel, stainless steel, aluminium and nonferrous heavy metal.

This high-performance product is free of mineral oil and fully biodegradable. Bio-Cut protects machines and fixtures against corrosion for a long time.



### Areas of application

- drilling, turning, tumbling
- milling, broaching, sawing
- punching, bending, pressing
- tapping of all steel qualities, cast iron, stainless steel, copper, brass, aluminium and their alloys

Active environmental protection as it does not contain chlorine, sulphur, barium, lead, cadmium, nitrite, PCB and formaldehyde.



## Stainless Steel Care Fluid

Especially developed for cleaning, care and protection of mat and glossy stainless steel surfaces indoor and outdoor. Antistatic effect.

### Areas of application

- removes and prevents finger marks
- removes grease films, e.g. from exhaust hoods and kitchen equipment
- cleans without stripe-marks also larger surfaces
- makes treated surfaces look new
- leaves a long-lasting water-repellent protective film
- prevents dirt from sticking to surfaces again

## Metal-Fluid



New high-performance product for care, protection and cleaning of mat and glossy metal surfaces, such as stainless steel, aluminium, chrome and bright metals etc., indoors. Also available as a 500 ml pump dispenser.

### Features

- preventative protection for new metal parts
- leaves a hand-dry and glossy protective film
- makes treated surfaces look new
- silicone, oil and solvent free
- neutral odour
- antistatic effect and protection against new soiling
- temperature resistance from  $-10^{\circ}\text{C}$  ( $+14^{\circ}\text{F}$ ) to  $+150^{\circ}\text{C}$  ( $+302^{\circ}\text{F}$ )

Metal-Fluid also cares, protects and cleans ceramic, wood, glass and plastics and is NSF-registered. Etched and printed inscriptions as well as plastic surfaces and rubber valves, e.g. in the kitchen area, will not be attacked.



## Bio-Fluid



Bio-Fluid is a resin, acid and solvent free, medical-grade, water-coloured lubricant, that has been specially developed for use in the food, beverage, pharmaceutical and cosmetic industries.

WEICON Bio-Fluid is odour-free, does not affect taste, is temperature resistant from  $-25^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$ ) to  $+120^{\circ}\text{C}$  ( $+248^{\circ}\text{F}$ ), water-repellent and has excellent creeping properties. Hinders friction and wear and tear.

### Areas of application

- lubrication and care of precision mechanisms of food technology
- as a lubricant in pharmaceutical production machinery
- on filling machines in the cosmetic industry
- slow moving drive chains and conveyer belts (e.g. in airports)
- as a lubricant in packing and filling equipment
- any parts where occasional technically unavoidable contact with food cannot be excluded



Bio-Fluid does not attack the following plastics and elastomers: ACM, CSM, FKM, NBR, SQM/MVQ, ABS, CA, EPS, PA, PC, PE, PET, POM, PP, PPO, PTFE, PVC. Not resistant are: EPDM, NR und SBR.

The resistance of any other plastics and elastomers in contact with Bio-Fluid must be tested by the user himself prior to initial operational application.

### Bio-Fluid:

- fulfills the requirements of the German pharmacopeia ("Deutsches Arzneibuch", DAB 10)
- has the USDA<sup>1</sup> H1 approval for the direct contact with food

<sup>1</sup> United States Department of Agriculture



Non-food Compounds  
Registration Programme

## Mould Release Agent

Silicone-free sliding and release agent. Its special formulation of only pure natural products provides superior sliding properties and prevents adhesion to plastics, moulds, metals and tools.

Temperature resistance from  $-20^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ ) up to  $+130^{\circ}\text{C}$  ( $+266^{\circ}\text{F}$ ).

### Areas of application

Various types of plastic processing including

- injection moulding
- compression and vacuum moulding

Mould Release Agent is free of PCB, CFC and formaldehyde.



## Label Remover

For fast and easy removal of paper labels and adhesive residues.

Stickers and labels can often only be removed with great difficulty. The dissolving power of conventional cleaning agents is often not sufficient, while mechanical removal may damage the surface, for example by scratching.

WEICON Label Remover removes labels and residues of acrylate- and caoutchouc based pressure-sensitive adhesives safely and without problems.

WEICON Label Remover is suited for many surfaces, such as glass, metal, wood, foils and plastics\*.

\* Before use, check surface compatibility.



## Bio-Welding Protection

Prevents the build-up of weld spatter on gas nozzles and facility surfaces without affecting the quality of the welding seam. Free of chlorocarbons, other solvents and silicones.

Based on hazelnut and sunflower extract – biodegradable in line with EC-guidelines.

### Areas of application

- prevents spatter adhesion to gas nozzles and surfaces adjacent to the weld
- provides full-surface protection during welding
- eliminates need for cleaning of welded parts with spatulas, brushes or chisels
- subsequent finishing processes such as bronzing, galvanization, anodizing or painting is possible without particular cleaning. Excess residues of the sprayed-on product merely has to be removed with e.g. WEICON Cleaner Spray S





## Leak Detector



For fast, convenient and reliable location of even the smallest leaks (cracks or porous parts) in pressurized pipes or tanks. WEICON Leak Detector is non-flammable, non-corrosive, does not cause skin irritation and is DIN-DVGW-tested.



### Areas of application

- wherever compressed air, natural gas or liquid gas is processed
- wherever leakages can occur on fittings, threaded joints and connections
- on pneumatic brake lines and gas lines for increased safety

Leak Detection does not form hazardous compounds in contact with carbon dioxide (CO<sub>2</sub>), propane, butane, acetylene, oxygen, coal gas or natural gas. Temperature resistance is between 0°C (+32°F) and +50°C (+122°F).

## Rust Loosener

Rust Loosener with its 6-fold function is an indispensable aid in all repair, maintenance and servicing jobs. Temperature resistant from -20°C (-4°F) to +150°C (+302°F).



### Areas of application

- loosens rusted or stiff parts, screws, bolts, joints and hinges
- displaces water from ignition systems
- ensures the function of mechanical parts and contacts, e.g. on distributor caps and spark plug connectors
- protects permanently against corrosion and oxidation
- lubricates sliding surfaces
- cleans and services metal surfaces, mechanical parts and electrical equipment

Rust Loosener has excellent creeping properties, thus penetrating even the smallest cavities.

## Corro-Protection



Forms a dry, wax-like protective film which provides lasting protection of metal tools and precision parts for indoor storage and overseas shipment.

### Areas of application

- as reliable corrosion prevention for bare metal parts
- for indoor storage of metallic materials
- as corrosion prevention for overseas shipment
- preservation of tools and precision parts

The protective film can be easily removed if necessary (e.g. using WEICON Cleaner S or Workshop Cleaner).



# Technical Data

Product	Properties						Suitable for use with	
	Colour	Odour	Temperature resistance	Temperature resistance	Shelf life min. (Months)*	Special features	WSD 400	WPS 1500
AT-44	yellowish	vanilla	-50°C to +210°C	-58°F to +410°F	24	high-performance lubricating oil - with PTFE	++	++
Bio-Cut	clear	almost odourless	max. +200°C	max. +392°F	24	mineral oil-free, easily biodegradable	+	--
Bio-Fluid	clear	almost odourless	-25°C to +120°C	-13°F to +248°F	24	meets requirements of DAB 10, USDA H1, FDA regulations, FDA positive list	+	+
Bio-Welding Protection	milky	almost odourless	+5°C to +90°C	+41°F to +194°F	24	non-flammable, silicone-free	++	++
Brake Cleaner	clear	citrus	---	---	24	evaporates without leaving residues	++	++
Cleaner S	clear	orange	---	---	24	evaporates without leaving residues	++	++
Corro-Protection	clear	solvent	-20°C to +80°C	-4°F to +176°F	24	RWTÜV-tested, wax-based	++	++
Label Remover	clear	citrus	---	---	24	removes paper and foil labels	++	++
Leak Detector	milky	almost odourless	0°C to +50°C	+32°F to +122°F	24	approved for gas piping by German DVGW, suitable for oxygen and CO2	++	++
Metal-Fluid	milky	almost odourless	-10°C to +150°C	+14°F to +302°F	24	antistatic effect, especially for indoor use	++	++
Mould Cleaner	clear	citrus	---	---	24	evaporates without leaving residues	++	++
Mould Release Agent	clear	solvent	-20°C to +130°C	-4°F to +266°F	24	silicone-free	++	++
Parts and Assembly Cleaner	clear	solvent	---	---	24	high flash point (>+60°C)	++	++
Plastic Cleaner	clear	citrus	---	---	24	for sensitive plastic surfaces	++	++
Rust Loosener	beige	petroleum	-20°C to +150°C	-4°F to +302°F	24	6-fold function	++	++
Sealant and Adhesive Remover	milky	solvent	---	---	12	powerful	--	--
Silicone	clear	solvent	-50°C to +250°C	-58°F to +482°F	24	silicone oil	++	++
Stainless Steel Care Fluid	clear	solvent	-20°C to +130°C	-4°F to +266°F	24	antistatic effect, especially for outdoor use	++	++
Surface Cleaner	clear	citrus	---	---	24	evaporates without leaving residues	++	++
W 44 T	yellowish	vanilla	-50°C to +210°C	-58°F to +410°F	24	multi-function oil - with multiple effects	++	++
Workshop Cleaner	blue	almost odourless	+5°C to +90°C	+41°F to +194°F	24	solvent-free, oil removal accommodating, biodegradable	--	++

\* With a constant room temperature of +20°C and stored in a dry area. This is valid for closed original packagings which are subject to neither direct, nor indirect, sunlight.

++ Processing possible + Processing only possible in spray form - No processing

Properties	Product	WSD 400	WPS 1500
Container volume:		600 ml	1500 ml
Max. Filling amount:		400 ml	1300 ml
Working pressure:		10 bar	4 bar
Explosion limit:		80 bar	---
Deformation pressure:		65 bar	---
Material:		Container and spray nozzle made of aluminium	Container made of non-breakable polyethylene; spray nozzle and devices made of polypropylene, fibre optic strengthened polyamide and stainless steel

## Supplementary Products

### WSD 400 Pressurized-Air Spray Can

WSD 400 is a refillable spray can from which most WEICON Technical Liquids can be applied. The can is fillable with compressed air via an adapter (accessories) from the compressed-air ductwork system (optimum working pressure 5-10 bar).

The use of WSD 400 offers many advantages, e.g.:

- environmentally friendly thanks to reusability
- economical due to the use of liquids in bulk
- only the pure fluid is sprayed
- safe due to the non-flammable propellant (compressed air)
- easy to handle, quickly refillable



The following accessories for WSD 400 are available:

- an adapter for filling from every compressed air system
- a valve set with four different valves and a ball pump with intake pipe



### WPS 1500 Pump-Dispenser

WPS 1500 is a refillable pump dispenser in which many WEICON Technical Liquids can be used. The building-up pressure in the fluid container is achieved by pumping pure air with the pump rod. An integrated security valve opens automatically as soon as the allowed pressure (max. 4 bar) has been exceeded.

Activation of the spray button is enough to achieve steady, uniform fluid emission. By turning the nozzle screw the rate at which the spray is emitted and the sprayed amount can be smoothly regulated, from stream-like to cloudy-fine. The use of WPS 1500 offers many advantages, e.g.:

- environmentally friendly thanks to reusability
- economical due to the use of liquids in bulk
- only the pure fluid is sprayed
- safe due to the non-flammable propellant (compressed air)
- easy to handle, quickly refillable



The following accessories for WPS 1500 are available:

- 30 cm plastic extension with 0.8 mm diameter nozzle
- Sealing sets





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Any product specifications and recommendations given herein must not be seen as a guarantee of product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do warrant the unusually high quality of our products based on defects in accordance with and subject to our General Sales Conditions. However, our adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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