

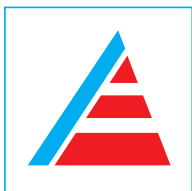
## PROCESS MEDIA **COMPOUNDS**



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**Compounds are concentrated mixtures based on biologically degradable substances, which actively support the surface treatment and enhance the grinding performance.**

Compounds can have a liquid, a solid or a powdery consistency and are often used in combination with defoamers, biocides and flocculants.



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# PROCESS MEDIA COMPOUNDS

## Tasks of compounds in the surface treatment process

- Protection of parts against corrosion
- Cleaning of pieces (dissolves dirt and grease)
- Support with removal of dirt particles
- Improvement of surface treatment characteristics during the process

### CONTINUOUS COMPOUNDS



- Very clean treatment
- Possibility of alkaline and acidic processes
- Suitable for ball-burnishing
- Passivation of ferrous and non-ferrous metals
- Applicable for special procedures, for example paste polishing

### CYCLE COMPOUNDS



- Low-foaming treatment by defoaming additives
- Reduction of fresh water
- Long service life of the process water due to a higher part of active washing substances
- Can be used without a discharge licence

## Nomenclature

The designation of our compounds provides information about the process used, their characteristics in relation to corrosion and degreasing as well as about the materials they are suitable for.

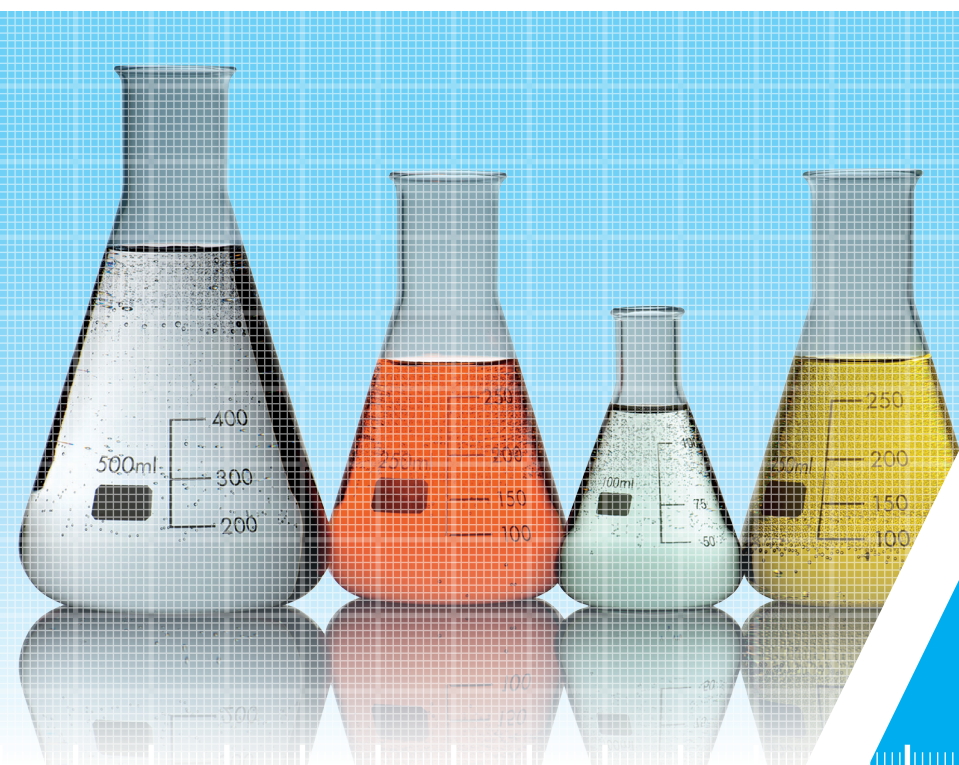
Kind of compound	Characteristics			Material suitability
<b>K</b>	<b>8</b>	<b>9</b>	<b>1</b>	<b>U</b>
K = <b>cycle</b>	Code number <b>corrosion protection</b>	Code number <b>degreasing</b>	<b>Ordinal number</b>	A = aluminium
D = continuous	4 = not present > 9 = very good			B = non-ferrous metal
F = solid material				E = stainless steel
X = additive				S = steel
				<b>U = universal</b>
				Z = zinc

The example **K 891 U** is a cycle compound with high corrosion protection and very good degreasing characteristics, which is suitable for many kinds of materials.

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## OVERVIEW **COMPOUNDS**

Our  
compounds  
at a glance



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### **Discover our comprehensive compound programme**

This overview shows the most frequently used products of our range. Our experts are at your disposal at any time to assist to find the best compound for your specific process.




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# OVERVIEW COMPOUNDS

Our offer  
comprises further com-  
pounds, especially  
for your application.

We are pleased  
to assist you to find the  
best compound!!

Designation	Remark	Metals					Properties			
		Steel / Iron	Stainless steel	Aluminium	Copper / Brass	Zinc	Corrosion protection	Cleaning / Degreasing	Brightening	pH value (1%)
	<b>Liquid compounds for throughput processes</b> Concentrated processing media for processes that are not recirculated									
D-670-U	Universal compound with good polishing properties	+	++	++	++	++	+	+	++	8,5
D-675-U	Good polishing compound for wastewater discharge via evaporator	+	++	++	++	++	+	+	++	8,2
D-772-S	Degreasing compound for steel and non-ferrous metals, conditionally for aluminium	++	++	+	++		+	++	++	9,5
D-780-S	Degreasing compound for iron, conditionally for copper and brass	++	+	+	+		++	++	+	8,0
D-870-S	Cleaning and polishing compound, with very good corrosion protection	++	++		+		++	++	++	9,1


## Powder compounds

		Steel / Iron	Stainless steel	Aluminium	Copper / Brass	Zinc	Pickling effect	Corrosion protection	Cleaning / Degreasing	Foam	pH value (1%)
F-790-U	Highly alkaline shock degreaser, support of degreasing of compounds already in use	++	++	++	++	++		++	++	++	12,5
F-970-S	Alkaline powder degreaser on carbonate/phosphate basis for the unique use or in combination with existing surface finishing systems as a cleaning additive	++	++	+	+	+		++	++	+	12
F-470-S	Acidic special compound for the chemically accelerated surface finishing and polishing of steel, with additional additive GS 180, conditionally also suitable for stainless steel	++	+	0	0	0	++		0	0	1,6

## Liquid pickling and polishing compounds

Acidic special compounds that are used for pickling/rust removing/descaling or for (ball-) burnishing in throughput processes

		Steel / Iron	Stainless steel	Aluminium	Copper / Brass	Zinc	Pickling effect	Cleaning / Degreasing	Foam	pH value (1%)
D-440-U	Strong acidic pickling compound for rust removing of steel and descaling of non-ferrous metals	+	++	+	++	0	++	0	0	1,5
D-453-A	Light acidic pickling compound for a smooth descaling of non-ferrous metals or the rust removing of steel, with brightening effect	+	++	++	++	+	+	+	+	2,5
D-552-E	Light acidic polishing compound with brightening effect, smooth processing for the material to be treated	+	++	++	++	+	0	++	++	4,0
D-575-U	Strong acidic compound, quick brightening and degreasing in just one step	0	++	+	++	+	++	++	++	2,0

Designation	Remark	Metals					Properties			
		Steel / Iron	Stainless steel	Aluminium	Copper / Brass	Zinc	Corrosion protection	Cleaning / Degreasing	Brightening	pH value (1%)
	<b>Liquid compounds for circulation</b> Concentrated processing media that due to their raw material combination, more washing and corrosion protection components as well as a low-foaming basic setting are preferably used in circulation processes.									
K-770-U	Low-foaming universal compound, preferably for non-ferrous metals	+	+	+	+	+	+	+	++	8,1
K-860-S	Grinding compound with very good corrosion protection for all ferrous material sensitive to rust	++	++	0	0	0	++	+	+	8,7
K-891-U	High efficient degreasing compound for all ferrous and non-ferrous metals, used in the die-casting industry, conditionally also applicable for magnesium	++	++	++	+	++	++	++	+	8,8
K-894-S	De-oiling compound with good degreasing and corrosion protection performance for all ferrous and steel materials, also applicable in watery spray cleaning systems	++	++	0	0	0	++	++	++	9,4
K-896-S	Low-foaming cleaning compound with very good properties for heavily oiled tamped	++	+				++	+		9,9

++ = very suitable/high    + = suitable    0 = conditionally suitable/little

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