



NEUTRAL CLEANERS
ALKALINE CLEANERS
HYDROCARBON CLEANERS
SPECIALISED CLEANERS

中性清洗剂
碱性清洗剂
碳氢化合物清洗剂
特殊清洗剂及添加剂

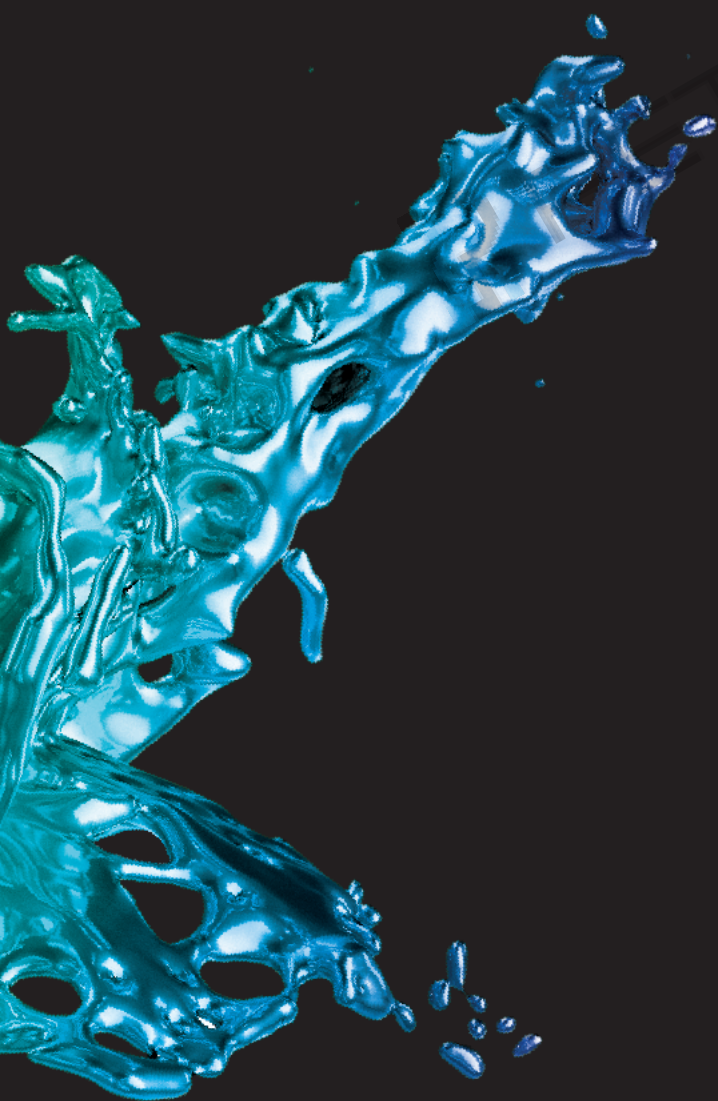
INDUSTRIAL CLEANERS

工业清洗剂

INDUSTRIAL CLEANERS 工业清洗剂

For industrial cleaning of component surfaces, PETROFER offers an extensive range of industrial cleaning chemicals. New discoveries in research and technology are used, whilst taking into account ecology, commercial demands and occupational safety. Our cleaning chemicals satisfy the requirements of all modern cleaning applications and processes. PETROFER cleaning products ensure long service life with low maintenance. PETROFER offers tailored cleaners, Either as individual products or as custom designed system solutions for professional manufacturing processes.

对于部件表面的工业清洗，德润宝提供范围广泛的工业清洗化学品。使用研究和技术的发现，同时考虑到生态、商业需求和职业安全。我们的清洗化学品满足当代清洗应用和工艺的要求。德润宝清洗产品可确保较长的使用寿命和低维护量。德润宝提供量身定制的清洗剂，无论是作为单独产品还是作为专业制造工艺而定制设计系统解决方案。





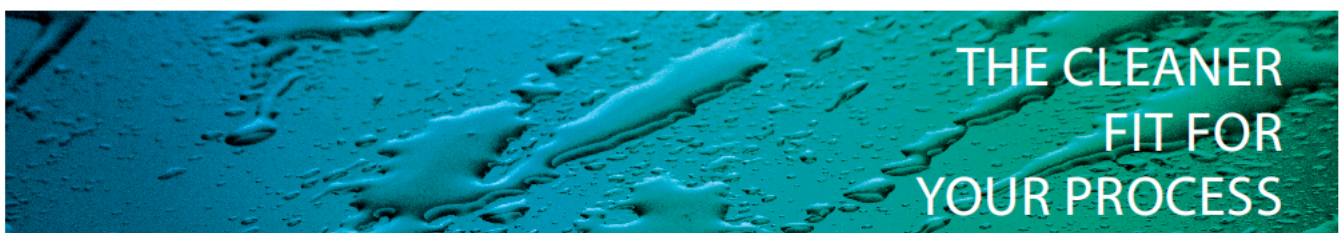
NEUTRAL CLEANERS

中性清洗剂

TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean N300 VW 适用于工件在硬化过程和机械操作中的清洗和脱脂，具有良好的防锈效果 Suitable for cleaning and degreasing workpieces during the hardening process and mechanical operation, with good rust prevention effect.	9.5	40-60	喷淋 浸泡 超声波 Spray, soak, ultrasound	黑色金属 黄色金属 铝 Black metal, yellow metal, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N402 K 适用室温清洗无泡沫，长期稳定，破乳中性清洗剂 Applicable to room temperature cleaning without foam, long-term stability, demulsifying neutral detergent.	9.7	20-60	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N404 适用于高压应用于清洗多金属，破乳中性清洗剂 Suitable for high-pressure applications for cleaning multi metals, demulsifying neutral cleaning agents.	9.2	40-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 镁合金 Steel, cast iron, non-ferrous metals, aluminum, magnesium alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N600 适用于压力高达1200bar,无表面活性剂，在很宽的温度范围内发挥作用，长时间稳定 Suitable for pressures up to 1200 bar, no surfactants, works over a wide temperature range, and remains stable for a long time.	9.6	20-80	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components



TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean A185 K/Feroplus 在含离子和非离子表面活性剂下，在室温下清洗性好，具有良好的防锈效果 Under the presence of both ionic and non-ionic surfactants, it has good cleaning performance at room temperature and excellent rust prevention effect.	10.6	20-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean A118 在含离子和非离子表面活性剂下，适用于清洗钢，铸铁件表面的高粘度油品和污物 Under the presence of both ionic and non-ionic surfactants, suitable for cleaning steel, cast iron surface with high viscosity oil and dirt.	11.5	60-90	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 Steel, cast iron	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean A118 k 在含离子和非离子表面活性剂在，在室温下清洗，适用于清洗钢，铸铁件表面的高粘度油品和污物 Under the presence of both ionic and non-ionic surfactants, suitable for cleaning steel, cast iron surface with high viscosity oil and dirt at room temperature.	10.8	20-80	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 Steel, cast iron	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean A118 K/Feroplus 在含离子和非离子表面活性剂下，在室温下清洗，适用于清洗钢，铸铁件表面的高粘度油品和污物 Under the presence of both ionic and non-ionic surfactants, suitable for cleaning steel, cast iron surface with high viscosity oil and dirt at room temperature.	10.5	20-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 Steel, cast iron	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean A285 在含离子和非离子表面活性剂下，清洗性好，具有良好的防锈效果 Under the presence of both ionic and non-ionic surfactants, it has good cleaning performance and excellent rust prevention effect.	10.5	60-90	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components



TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean N610 适用于压力高达1200bar,无表面活性剂,在很宽的温度范围内发挥作用,长时间稳定,具有优异的强破乳性能 Suitable for pressures up to 1200 bar, no surfactants, works over a wide temperature range, and remains stable for a long time with excellent strong demulsification performance.	9.7	20-80	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N295 适用于钢, 铸铁件及铝的清洗, 并对清洗零件具有良好的防锈效果 Suitable for cleaning steel, cast iron parts, and aluminum, and has a good rust prevention effect on the cleaned parts.	9.6	35-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝 Steel, cast iron, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N315 专为硬水研制的产品,产品本身对油和润滑剂有良好的抗乳化性能,具有良好的防锈效果 Specially developed for hard water, the product itself has good anti emulsification performance against oil and lubricants, and has a good anti rust effect.	10.2	45-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 Steel, cast iron	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N317 无盐中性清洗剂, 长期稳定, 破乳中性清洗剂 Salt free neutral cleaning agent, long-term stable, emulsion breaking neutral cleaning agent.	10.3	35-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 镁合金 Steel, cast iron, non-ferrous metals, aluminum, magnesium alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N502 含盐中性清洗剂, 适用于超声波辅助清洗 Salt containing neutral cleaning agent, suitable for ultrasonic assisted cleaning.	10	50-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components

TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean N-SF 适用于热处理的清洗，具有较好的防腐作用 Suitable for cleaning in heat treatment, with good anti-corrosion effect.	9.2	50-90	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean N-AL 适用于高压应用于清洗多有色金属，具有较好的防腐作用 Suitable for high-pressure applications for cleaning multiple non-ferrous metals, with good anti-corrosion properties.	8.9	45-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	有色金属 铝 Non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components



ALKALINE CLEANERS

碱性清洗剂

TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean A185 在含离子和非离子表面活性剂下，清洗性好，具有良好的防锈效果 Under the presence of both ionic and non-ionic surfactants, it has good cleaning performance and excellent rust prevention effect.	11.1	40-80	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 Steel, cast iron, non-ferrous metals	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean A185 K 在含离子和非离子表面活性剂下，在室温下清洗性好，具有良好的防锈效果 Under the presence of both ionic and non-ionic surfactants, it has good cleaning performance at room temperature and excellent rust prevention effect.	10.8	20-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 有色金属 铝 Steel, cast iron, non-ferrous metals, aluminum	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components

TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean S400 酸性清洁剂，适用于去除钙残留物，水垢和其他无机沉积物 Acidic cleaner, suitable for removing calcium residues, scale, and other inorganic deposits.	2	20-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 Steel, cast iron	涂层管道 涂层零部件 Coated pipes, coated components
Feroclean LE 643 K 有乳化性的水溶性冷清洗剂，使用后覆盖薄膜的零件很容易被干燥，还能给在短暂存储的时期内的零件提供防腐蚀保护 Emulsifying water-soluble cold cleaning agents can easily dry parts covered with thin films after use, and provide anti-corrosion protection for parts stored for a short period of time.	7	常温 room temperature	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean RFS 24 能快速而温和的清除有机和树脂沉积物 Quickly and gently remove organic and resin deposits	13.3	20-50	喷淋 浸泡 超声波 Spray, soak, ultrasound	网毯 干网 paper machine clothing, Dryer Felt	网类 毯类 Fabric and Felt Components
Feroclean CS 8 CS 8有效的消毒和系统清洁剂，特别是已被开发用于大型循环冷却系统的清洗作业 CS 8 is an effective disinfectant and system cleaner, especially developed for cleaning operations in large circulating cooling systems.	11.5	常温 room temperature	喷淋 浸泡 超声波 Spray, soak, ultrasound	设备箱体 管道 Equipment enclosure, pipeline	加工单机设备 集中系统设备 管道类 Processing single machine equipment, centralized system equipment, pipeline equipment



TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
<p>Feroclean A122</p> <p>在含离子和非离子表面活性剂下，适用于清洗钢，铸铁件表面的高粘度油品和污物，颜料的污垢和绝缘膏</p> <p>Under the presence of both ionic and non-ionic surfactants, suitable for cleaning steel, cast iron surface with high viscosity oil and dirt, like dirt from pigments and insulation paste.</p>	12	45-80	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 Steel, cast iron	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
<p>Feroclean A15</p> <p>碱性氢氧化物，分散剂，螯合剂和润湿剂组成，起到脱脂和脱磷清洗</p> <p>Composed of alkaline hydroxide, dispersant, chelating agent, and wetting agent, it plays a role in degreasing and dephosphorization cleaning.</p>	13.2	60-90	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 Steel, cast iron	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components

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HYDROCARBON CLEANERS

碳氢化合物清洗剂

TYPE 产品种类	VISCOSITY 粘度	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean L5 含有溶剂的低味清洗剂，含有钴抑制剂成分，可有效防止金属材料钴成分析出 Low odor cleaning agents containing solvents and cobalt inhibitors can effectively prevent the analysis of cobalt in metal materials.	40 °C,mm ² /s 4.5	20-40	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean L7 脂肪烃为基础的含有溶剂的低味清洗剂，适用于清洗低，高粘度油品残留物 A low odor solvent based cleaning agent based on fatty hydrocarbons, suitable for cleaning low and high viscosity oil residue.	20 °C,mm ² /s 7.4	20-40	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean L50 以异链烷烃为基础的含有溶剂的低味清洗剂，适用于清洗低，高粘度油品残留物 A low odor solvent based cleaning agent based on isoparaffins, suitable for cleaning low and high viscosity oil residue.	20 °C,mm ² /s 1.85	常温 room temperature	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean L100 以异链烷烃为基础的含有溶剂的低味清洗剂，适用于清洗低，高粘度油品残留物 A low odor solvent based cleaning agent based on isoparaffins, suitable for cleaning low and high viscosity oil residue.	40 °C,mm ² /s 2.31	20-40	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean L261 以异链烷烃为基础的含有溶剂的低味清洗剂，适用于清洗低，高粘度油品残留物 A low odor solvent based cleaning agent based on isoparaffins, suitable for cleaning low and high viscosity oil residue.	20 °C,mm ² /s 1.8	常温 room temperature	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components



TYPE 产品种类	VISCOSITY 粘度	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean L417 以异链烷烃为基础的含有溶剂的低味清洗剂，适用于清洗低，高粘度油品残留物 A low odor solvent based cleaning agent based on isoparaffins, suitable for cleaning low and high viscosity oil residue.	20 °C,mm ² /s 1.65	常温	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean SPULOL VG7 是一个粘度特别低的冲洗油。这种具有抗氧化的特种残液提供优异的防腐性能和良好的耐老化稳定性 It is a flushing oil with particularly low viscosity. This special residual liquid with antioxidant properties provides excellent anti-corrosion performance and good aging stability.	40 °C,mm ² /s 7	20-40	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components



SPECIALISED CLEANERS

特殊清洗剂及添加剂

TYPE 产品种类	pH VALUE 2% pH值 2%	APPLICABLE TEMPERATURE 适用温度	CLEAN METHOD 清洗方式	APPLICABLE MATERIAL 适用材质	TYPICAL APPLICATION 典型应用
Feroclean 22 DGI 具有清洗作用显著，高盐稳定性好，对油和润滑剂的抗乳化性能好以及具有短暂防锈效果等优良性能 It has significant cleaning effect, good high salt stability, good anti emulsification performance for oil and lubricants, and excellent properties such as short-term rust prevention effect.	9	20-60	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components
Feroclean S660 中性酸洗涤剂，适用于去除氧化物和水垢层以及有机污染物，运用于在化学热去毛刺后或激光切割后对表面的处理。 Neutral acid detergent, suitable for removing oxide and scale layers as well as organic pollutants, used for surface treatment after chemical thermal deburring or laser cutting.	6.8	20-70	喷淋 浸泡 超声波 Spray, soak, ultrasound	钢 铸铁 铝合金 Steel, cast iron, aluminum alloy	齿轮 轴承类 汽车零部件 其它零部件 Gears, bearings, automotive parts, other components

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5	METAL FORMING LUBRICANTS	金属成型加工产品
6	INDUSTRIAL LUBRICANTS	工业润滑油
7	INDUSTRIAL CLEANERS	工业清洗剂
8	RUST PREVENTATIVES	防锈剂
9	PAPER CHEMICALS	造纸化学品
10	GREASES	润滑脂

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