



Worldwide Wind Turbine MRO Program

Excellence Center in MRO and process products





Kema® Excellence in MRO and process products

Developed and produced in Denmark since 1975 for industry and distributed worldwide. The Kema® product line has expanded to include:

- Kema® aerosols for professional use
- KemLock® adhesives and threadlockers
- KemCare® cleaning and maintenance wipes
- KemKote® assembly pastes
- KemCut® cutting fluids

At Kema® all employees work to ensure the best service to our customers. By offering optimum solutions and premium quality products, we help to ensure the highest standards of workplace safety with minimum environmental impact.

You won't regret using Kema® as your brand of choice.

Kema® Worldwide Wind Turbine MRO program

Kema® is now proud to offer a worldwide Kema® MRO program for the wind energy industry that includes:

- Denmark, USA, China, India, Spain, Italy, Australia, England, Ireland, Germany, France, Portugal, Turkey, Poland, Sweden, Norway and Finland.
- MSDS are available in all these languages to ensure compliance with local regulations.



MA-4000 WM MetalCleaner

MA-4000 WM is a powerful solvent that quickly dissolves most oils, waxes, tars, silicones and resins. In normal cleaning processes, the solvent will not affect glass, ferrous/nonferrous metals and a wide range of plastic and rubber products. **MA-4000 WM** can be used as cleaner/degreaser before using industrial adhesives like cyanoacrylates and anaerobic adhesives. It contains no caustics, evaporates quickly and leaves a clean dry surface.

Article no.: 99180, 500 mL spray / 8202, 5 L

Properties

- Powerful degreaser
- Dissolves oil, grease, wax, tar, silicone and resin
- Effective and strong
- Evaporates quickly



RG-1100 WM Regular Grade Anti-Seize Paste

RGA-1100 WM and **RG-1100 WM** are superior anti-seize and extreme pressure lubricants formulated to protect metal parts against rust, corrosion and seizure. Fine metallic and graphite particles in a special grease protect parts in high pressure and corrosive environments. They enable faster disassembly when repairs are needed, even after exposure to high temperatures and resist strong alkaline solutions, most chemical and acid vapors, road salt, steam, salt water and iodized water.

Article no.: RGA-1100 WM: 99140, 500 mL spray
RG-1100 WM: 99520, 500 g / 99530, 500 g cartridge / 99540, 2 kg

Properties

- Keeps parts working longer
- Reduces wear
- Minimizes part replacement costs
- Resists galvanic corrosion between dissimilar metals
- Prevents galling on metals, including titanium, magnesium and other hard metals



HTS-1400 WM High Temp Anti-Seize Paste

HTSA-1400 WM and **HTS-1400 WM** are copper-free anti-seize lubricants with countless uses. These products contain fine particles of stainless steel and other metals in a special carrier oil, making them great for areas with high pressures and to counteract seizing. Use on bolts, nuts, pump fittings, shafts, gasket, fittings, pins and grooves.

Article no.: HTSA-1400 WM: 99170, 500 mL spray
HTS-1400 WM: 99550, 500 g / 99560, 2 kg

Properties

- Extreme pressure lubricant
- Prevents corrosion, seizing and galling
- Resists galvanic corrosion
- For steel assembling



JG-1400 WM Assembly Paste

JG-1400 WM is a white, metal-free anti-seize paste designed to use as a lubricant against rust, seizure and pitting on all types of threads, valve, spindles, pins, bushes, slides and small open gears. It can also be used in light cutting operations and is recommended for use on all types of metal and plastic.

Article no.: 99510, 500 g

Properties

- Metal free
- Environmentally friendly



VET-68 WM White Oil

VET-68 WM is a specially refined, white clear oil for use on chains, cables, rollers, knots, conveyors, guide rails, sledges, stamps, chain wheels and gearwheels. It protects against rust and gives excellent lubrication.

Article no.: 99120, 500 mL spray

Properties

- All-round lubrication
- Does not cause any discoloration
- Odorless and colorless
- Non-drip formula
- Resists water and steam rinsing
- From -18°C to + 185°C



EL-K80 WM Contact Cleaner

EL-K80 WM is a grease dissolving cleaner that is gentle on synthetic materials, plastics and elastomers. It safely removes old grease oil, dust and foreign particles from all electronic equipment including: contacts, precision automatics, plugs, printed circuits, computer- and tele technique. It does not affect the frequency or capacity.

NOTE: Break the circuit before using EL-K80 WM and do not close the circuit until the cleaner has evaporated completely.

Article no.: 99130, 500 mL spray

Properties

- Designed for electronic equipment
- Gentle on synthetic materials, plastics and elastomers
- Effective degreasing
- Leaves no residue



ELS-33 WM Protector

ELS-33 WM is a rust preventative that leaves a thin isolating, protective waxy film that effectively protects against corrosion for at least 12 months, depending on the circumstances. Penetrates wires and protects all tracks and leaves a protective surface film for long-term care. Use to protect steel constructions and electrical components, inside and outside. It effectively repels water, making it a good choice for dry and wet parts.

Article no.: 99160, 500 mL spray

Properties

- Protects against moisture and corrosion
- For use on electronic components
- Long term rust protection
- Leaves a thin isolating, protective wax film



SC-4 WM Silicone Grease

SC-4 WM is a pure, silicone-based grease that can be applied to all dry surfaces, including ceramics, rubber, PVC. It resists moisture and corrosion even under very wet conditions and is an excellent lubricant for plastic bearings, nylon wheels and hinges.

Article no.: 99150, 500 mL spray

Properties

- Protects against moisture and corrosion
- Retains flexibility on natural and synthetic rubber



ZN-595 WM Cold Galvanizer

ZN-595 WM protects against corrosion on all metal surfaces, even without after treatment, offers all the benefits of hot dip galvanizing and provides a smooth, uniform coating suitable for painting. Use for surface care of metal and galvanized parts and to repair scratches on galvanized surfaces. Suitable for use in pipe bendings, heat exchangers, oil coolers and on other types of equipment that are exposed to thermal changes as well as fittings on steel constructions, drill holes and welds in connection with grating and steel constructions.

Article no.: 99110, 500 mL spray / 8710, 750 mL can

Properties

- Quick drying, long-term protection for metal surfaces
- Supplement for hot dip galvanization
- More than 95% pure zinc coating
- Long lasting corrosion protection
- DIN 50021 and 53167 salt spray tested



KemLock® AS-43 WM Threadlocker

KemLock® AS-43 WM is a medium strength threadlocker designed to secure all types of threaded cylindrical assemblies, hydraulic components and pneumatic components. It provides reliable, durable adhesion and is ideal for production because of its fast drying time and low dose.

Article no.: 99720, 50 mL

Properties

- Medium strength threadlocker
- Removable with hand tools
- For sealing rod bolts, screw pins
- Adheres to oily, greasy surfaces



KemLock® AT-42 WM Retaining Compound

KemLock® AT-42 WM is a medium strength retaining compound used to seal and secure hydraulic and pneumatic pipes, fittings, coarse threads. It is great for production because of its fast drying time and low dose.

Article no.: 99730, 50 mL

Properties

- Medium strength
- Great for small tube piping
- Removable with hand tools
- For sealing hydraulic and pneumatic components



KemCut® V739 WM Cutting Fluid

KemCut® V739 WM is a mineral-oil based water-mix cutting fluid that does not contain amines, boric acid or chlorine. It is an excellent universal cutting fluid for demanding machining operation in the wind industry.

KemCut® V739 WM belongs to the new generation of environmentally-friendly cutting fluids that live up to industrial demands concerning quality, safety and work environment.

Article no.: 48999084, 200 L / 48999080, 927 L

Properties

- Low pH
- No amines or boric acid
- Chlorine free



SA-2000 Brake Cleaner

SA-2000 is a medium strength industrial degreaser that dissolves most greases, oils, waxes and asphalts. It will not affect metal, glass, brickwork and a wide range of plastic and rubber products in normal cleaning processes. SA-2000 evaporates quickly and leaves a clean, dry surface. Excellent for brake and clutch parts, gears and tools.

Article no.: 15205, 500 mL spray

Properties

- Medium strength degreaser
- Noncorrosive
- Nonconductive
- Great for repair and assembly
- Penetrating effect
- Evaporates quickly



US-45 All-Purpose Spray

US-45 is a multipurpose lubricant, penetrant and cleaner that can be used on all types of machinery and metal parts. This product is a fast acting rust dissolver, making it ideal for dismantling rust bound nuts, bolts and valves. It leaves a light lubricating oil film that protects wires, brake parts, gearwheels, locks and tools. Safe to use on most surfaces, including plastic and rubber.

Article no.: 18455, 500 mL spray

Properties

- Lubricant, penetrant and cleaner
- Rust dissolving
- Moisture repellent
- Will not affect plastic or rubber



RT-177 Penetrant

RT-177 is a penetrant and lubricant for dismantling rust bound nuts, bolts, valve assemblies and clutches. The fast acting penetrants works immediatly to release seized and corroded parts.

Article no.: 18715, 500 mL spray

Properties

- Extra strength corrosion and rust penetration
- Can be used on wet surfaces
- Fast acting, noncorrosive formula



RTF-169 Penetrant with PTFE

RTF-169 is a low viscosity penetrate that dissolves rust and absorbs moisture that can be used wherever rust protection is needed. The micro fine PTFE powder keeps surfaces free of foreign matters to minimize friction and wear.

Article no.: 18725, 500 mL spray

Properties

- Noncorrosive
- Moisture repellent
- Lubricates
- PTFE additives penetrate and minimize wear



TRI-17 Oil with PTFE

TRI-17 is a versatile lubricant with outstanding creep and penetration properties that can be used in a variety of situations. High PTFE levels provide great lubrication, even in high load and/or high temperature applications. It forms a tough film on all critical and loaded parts to minimize friction and wear. Great for chains and gearwheels where good, effective lubrication is needed.

Article no.: 17105, 500 mL spray

Properties

- Multipurpose lubricant
- PTFE reduces friction and wear
- Transparent formula for good visibility
- Great penetration and creep properties



KK-2002 Chain Oil

KK-2002 is a non-drip, heavy-duty oil with excellent gripping and lubricating properties for use in very difficult situations. The strong adhesive and cohesive properties resist throw-off in fast running chains, wet and dry conditions and during heavy load. It is great for transmissions, bolts, assemblies, hinges, chains, bearings, axles, shells, elevator wires, certain open gears and toothed wheels.

Article no.: 11845, 500 mL spray

Properties

- Reduces wear and lubrication intervals
- Non-drip, transparent formula
- Strong adhesive capabilities resist throw-off
- Water repellent, even in salt water
- Prevents rust and corrosion



MG-270 Multi Grease with PTFE

MG-270 is a high-pressure resistant spray grease lubricant with outstanding adhesive and creep properties. This product contains PTFE for allover penetration and provides long-term corrosion protection. Use it on open gearwheels, toothed bars, chain wheels, chains, wires and nails. It is excellent for doors and chains operating at medium speed. **MG-270** does not contain metallic salt and resists high pressure wash down and steam. It won't affect most types of rubber, plastics and lacquers.

Article no.: 13705, 500 mL spray

Properties

- High pressure light grease lubricant
- Contains PTFE
- Adhesive
- Repels water
- Long-term rust-protection



GM-12 Sliding Agent

GM-12 is a pulling lubricant and sliding agent especially designed for mounting electric cables and rubber strips. This product prevents friction when assembling drain pipes, soil pipes and PVC pressure pipes and is gentle enough to use on tube packing. It provides easy mounting and prevents seizing.

Article no.: 07395, 500 mL spray

Properties

- 36% silicone content
- Prevents seizing
- For PVC pipes, electric cables, rubber strips
- Easy mounting
- Prevents static electricity



ZA-550 Zinc/Alu

ZA-550 is a corrosion preventative that provides a protective coating. Use for repair, maintenance and finishing. It is ideal for parts that are going to be welded or for the treating parts after welding and it is possible to spot weld directly through the coating. This product can be applied to all iron, steel and metal parts, including pipe bendings, oil coolers, tools, steel constructions, steel doors and steel frames.

Article no.: 25275, 500 mL spray

Properties

- Leaves a smooth, pore-free metal coating
- 300+ hours of salt spray resistance testing
- Use before or after welding
- Fast drying
- Light, metallic shine finish



Spot & Line Marking Spray

Spot & Line Marking Spray is used to mark roads, tools, pipes, joints, floors and anywhere clear marking is needed.

Article no.: White 13626, 600 mL spray
 Yellow 13636, 600 mL spray
 Red 13646, 600 mL spray
 Blue 13656, 600 mL spray

Properties

- Marks all surfaces
- Fast drying
- Self cleaning nozzle



FS-35A Freeze Spray

FS-35A is used to rapidly locate errors on printed circuits, printed circuit boards and can be used to cool diodes, transistors and resistors down to -35°C. This product is great for protecting against heat damage associated with soldering. It evaporates quickly and completely leaving no residue behind.

Article no.: 06593, 300 mL spray

Properties

- For faultfinding on printed circuits
- Does not affect tuned circuits
- Evaporates quickly
- Cools subjects to -35°C
- Non-flammable



FW-1661 Leak Detector

FW-1661 is a leak detector for locating leaks in air, cooling and gas installations. This foam product bubbles when exposed to leaks.

Article no.: 12875, 500 mL spray

Properties

- For finding leaks in tube installations
- Non-flammable
- Oxygen tested
- Frost safe to -15 °C



KC-32 Cutting Oil

KC-32 is a cutting oil for metal with very strong high-pressure properties, such as titanium, carbide and alloy steel. It is ideal for high speed cutting and high tensions.

Article no.: 19365, 500 mL spray

Properties

- For titanium, carbide and alloy steel
- Contains active sulphur
- Protects studs and dies
- Light brown, transparent formula
- Chlorine free



Industrial Wipes

Industrial Wipes are ideal for all types of cleaning job, including cleaning metal and painted surfaces, machinery and tools. It effectively and thoroughly removes oil, grease, resin and other forms of unwanted residue without using soap and water. **Industrial Wipes** are made of a strong, structural woven material and are packed in a plastic bucket, so it is easy to bring them everywhere.

Article no.: 98005, 150 wipes

Properties

- Effectively removes dirt, oil, grease and resin
- Use on machinery and tools
- Leaves no residue
- pH-neutral



RTV 650 Silicone Gasket

RTV 650 is a red silicone sealant and liquid gasket that can be used on generators and gearboxes. It adheres to metal, glass, rubber and plastic using a full range of cyanoacrylate and anaerobic adhesives. This product resists oils, lubricants, transmission oils, glycol mixtures, water and steam.

Article no.: 54840, 226 g

Properties

- Seals and prevents leaks
- Neutral curing process
- Odorless
- Temperature range: -50 °C to 300 °C
- Pressure resistance: 360 kg/cm²



Kema® . Priorsvej 36 . DK-8600 Silkeborg



windpower renewable solutions Limited
(A company of the Sprint Group)
G3 West Mill, Imperial Business Estate
Gravesend, Kent DA11 0DL
Tel. +44 1474 534251 Fax +44 1474 534566
www.wrs-uk.com



ITW
PERFORMANCE
POLYMERS & FLUIDS.

Kema® is a reg. Trademark of Illinois Tool Works Inc.