

# LIFE-EXTENDING LIQUIDS

**PRODUCTS THAT PREVENT DAMAGE TO PARTS AND MACHINES BY SMOOTHING THE PRODUCTION PROCESS.**

## NO-DRIP LUBRICANT STAYS WHERE APPLIED

Though the formulas haven't changed, it's easier to identify the more than 20 lubricants, penetrants, greases, cleaners and degreasers, and rust-management solutions that comprise **WD-40 Co.'s** (San Diego, CA) Specialist line. That's because the cans have the same blue-and-yellow label and red top as the company's iconic multiuse product. A recent study conducted by consumer behavioralists PRS IN VIVO found the new packaging demonstrated 26% faster brand findability over the old packaging.

One product in the line, WD-40 Specialist Gel Lube, resists water and displaces moisture to prevent rust for up to one year (independent tests conducted in salt spray and humidity chamber; results may vary depending on extreme conditions). The no-drip formula offers 12 times longer-lasting lubrication when compared to WD-40's multiuse product.

The thick lubricant stays on vertical surfaces and doesn't fling off moving parts such as gears, bearings, cables, chains, and rollers. Once applied, it withstands temperatures ranging from -100 degrees F to 500 degrees F.

WD-40 Specialist Gel Lube is VOC-compliant in all 50 states.  
[www.wd40.com](http://www.wd40.com)



*WD-40 Specialist Gel Lube no-drip formula provides long-lasting lubrication and won't run or drip. Safe on multiple surfaces including metals, plastic, and rubber.*

## RUST PREVENTATIVE PROTECTS INTERNAL AS WELL AS EXTERNAL SURFACES

**Cortec Corp.** (St. Paul, MN) has been awarded a patent for EcoShield VpCI-226, a 100% nitrite-free film that virtually eliminates rust claims by providing long-term protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. Vapor phase corrosion inhibitors (VpCI) in the film vaporize and condense on metal surfaces in the enclosed package, protecting exterior as well as hard-to-reach interior surfaces.

Nonhazardous EcoShield VpCI-226 replaces conventional rust preventatives such as oil and desiccants, saving time and hassle by eliminating degreasing or coating removal. The product protects aluminum, brass, carbon steel, copper, galvanized steel, silicon steel, and stainless steel.

Recyclable film and bags are available in sizes and configurations ranging from small top-seal bags for nuts and bolts to 30-foot-wide sheeting for storing industrial equipment. Custom blends can provide the exact properties needed, whether improved puncture resistance,

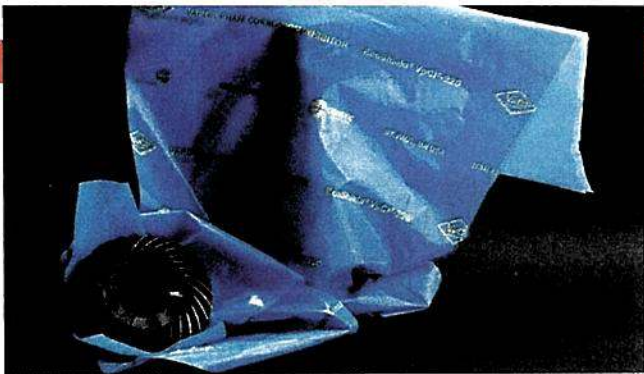


*Cortec's EcoShield VpCI-226 films and bags protect metal objects as small as a needle to as large as the contents of an oceangoing container. The company's vapor phase corrosion inhibitor (VpCI) film offers a balanced combination of vapor phase and contact corrosion protection with high-tech resin and extrusion technology.*



*The packaging of WD-40's Specialist line of lubricants, penetrants, greases, cleaners and degreasers, and rust-management solutions is redesigned so technicians can more easily identify and choose from more than 20 products.*





Sealing auto parts, bearings, brake disks, firearms, castings, or finished equipment in Cortec's EcoShield VpCI-226 film and bags protects the metal from rust, tarnish, stains, white rust, and oxidation for up to five years.

tear strength, or other requirements.

The corrosion inhibitor is also effective for industries facing facility or equipment layup or construction delays. For example, new power or gas plants under construction can protect high-dollar assets that arrive long before plant commissioning. Online facilities can also use the product to protect critical and operational spare parts that must be ready for use at a moment's notice.

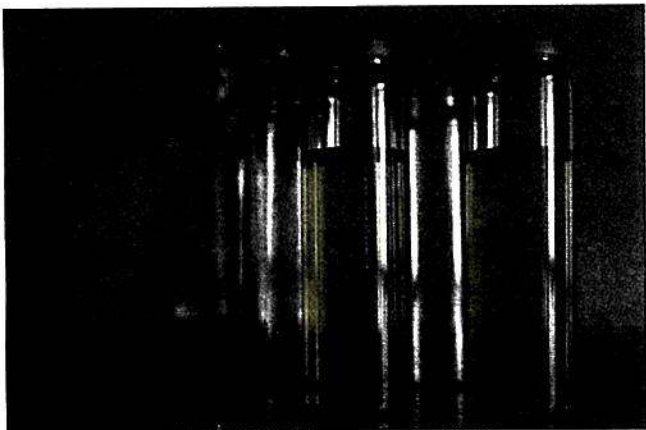
Each batch of Cortec's VpCI films undergoes strict quality testing.  
[www.cortecvci.com](http://www.cortecvci.com)

### BORON- AND AMINE-FREE COOLING LUBRICANT

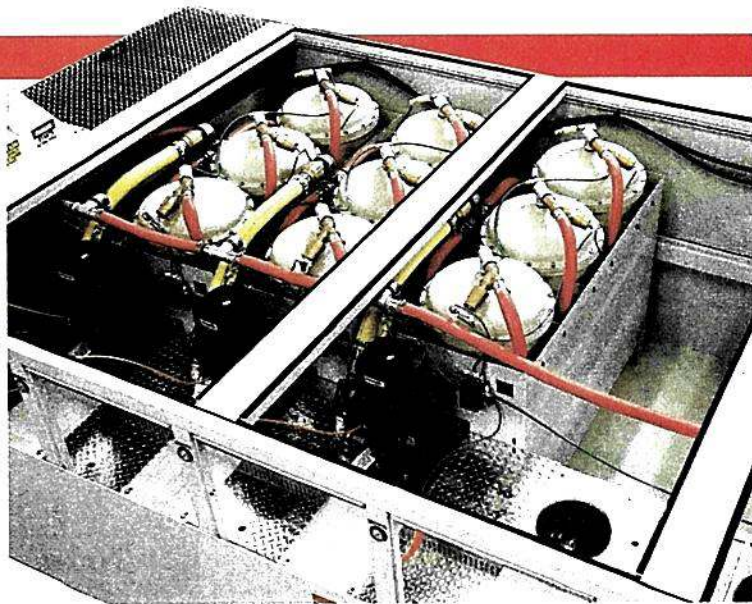
Compared to conventional boron- and amine-free products based on mineral oil, Zubora 30 FD from **Zeller + Gmelin GmbH & Co. KG** (Eislingen, Germany) provides excellent drainage, machine cleanliness, no formaldehyde depot substances, minimized copper release, and extremely high surface quality.

The cooling lubricant is particularly suitable for processing sensitive copper and aluminium alloys. It achieves very good results for medium- to heavy-duty machining tasks, especially when reaming and threading aluminium materials. High chip removal rates with low tool wear are also possible. Thanks to special active ingredients, Zubora 30 FD has a good stability. The resistance of plastics as well as paints and coatings is guaranteed according to VDI 3035. It is low-foaming in a wide range of water hardness from 4 - 24° dH. The absence of amines prevents the formation of nitrosamines.

Dermatological testing confirms skin compatibility.  
[www.zeller-gmelin.de](http://www.zeller-gmelin.de)



Zeller + Gmelin's Zubora 30FD emulsion with 7% and 10% tap water. The cooling lubricant is particularly suitable for processing sensitive copper and aluminium alloys.



Three of the six V-18 Series filter modules on a custom unit Transor Filter USA configured for an aerospace customer.

### ONE MICRON FILTRATION (OMF) FOR EDM APPLICATION

Aerospace components require electrical discharge machines (EDMs) to make multiple intricate and precise cuts. Temperature-controlled, clean oil filtered to 1 micron reduces cycle times by enabling machines to stay in the cut longer and helps prevent arcs and pits that require rework.

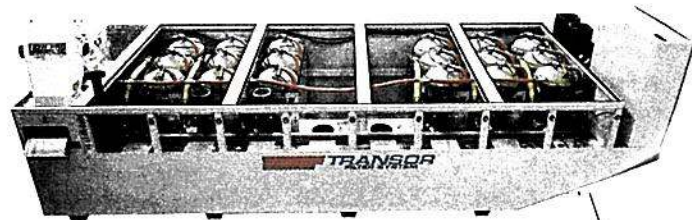
V-18 Series modular filters from **Transor Filter USA** (Elk Grove Village, IL) are helping a prominent aerospace contractor optimize its EDMs.

In addition to all the standard features, the custom unit contains pumps for fast filling and circulation of the work tank along with pressure flushing. While standard models have an integrated chiller unit, this unit features a free-standing chiller. Like all Transor filters, maintenance is virtually eliminated because of the filters' self-cleaning elements, which have a life expectancy of 25,000+ operating hours. Sludge removed during the self-cleaning process is deposited to a 55-gallon drum via a dragout.

Designed for growing businesses, the heart of Transor Filter's system is a filter module that consists of three filter vessels, filter pump, and required plumbing. To expand, the user adds another filter module to accommodate additional machines. The unit's internal electrics are already in place, so connecting additional machine tools is simple and involves no downtime.

The custom V-18 was outfitted with six filter modules to handle the dirt load and deliver one micron filtration (OMF) oil to multiple EDMs and has two additional filter module slots for expansion. While this unit was designed for an aerospace application, the V-Series includes models of various sizes for any EDM sinker application.

[www.transorfilter.com](http://www.transorfilter.com) ■



Transor Filter USA is providing one micron filtration (OMF) modular filters, which serve multiple electrical discharge. Two additional filter module slots allow for future expansion.