

# EcoLine<sup>®</sup>

A new generation of sustainable, environmentally friendly products.





# Environmentally Friendly Soy Products

EcoLine® products are based on a renewable resource, soybean methyl esters. Traditional mineral oils are difficult to dispose of and most companies are concerned about what goes out of their factories and then into the ground. Methyl esters have been used in this revolutionary, environmentally low-impact technology. These soya-based products provide excellent functionality and biodegradability. EcoLine® products are better for the environment and leave behind a high performance Vapor phase Corrosion Inhibitor (VpCI®) layer.



At Cortec® Corporation, we strive to meet our customer's needs.

Our EcoLine® product line is available in bottles, pails, drums, totes, and bulk.

## EcoLine® VpCI® All Purpose Lubricant

An all-purpose biodegradable lubricant that was designed for industrial, MRO, institutional, and plant-wide use. It contains a friction modifier and extreme pressure additive. It is safe for use on all metals and for most plastics. Perfect for both indoor and outdoor applications. Use full strength. Nonflammable. Available in: 16 oz. (0.47 liters) bottles, 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, liquid totes and bulk.



## EcoLine® VpCI® Bearing, Chain, & Roller Lube

A ready-to-use high quality rust preventative lubricant, formulated with American grown natural soya seed oil, which surpasses the lubricity performance levels of most conventional petroleum-based lubricants. It also contains VpCI® for both indoor and outdoor applications. It stops corrosion in two ways; First, a tenacious film clings to the metal surface to displace moisture. Second, VpCI® provide the protected areas with self-healing properties even when the lubricant is temporarily removed. Nonflammable. Available in: 16 oz. (0.47 liter) bottles, 1 gallon (3.7 liter) pails, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.



## EcoLine® VpCI® Cutting Fluid

A multi-functional biodegradable fluid for metal cutting operations, that provides industrial grade lubrication as it cools work pieces and tools. EcoLine® prevents the inadvertent welding of metals, and, in addition, provides excellent VpCI® corrosion protection during and after the work processes. Use in concentration of 2.5% to 5.0% in water (1:20 to 1:40). Mix well to produce an emulsion. Nonflammable. Available in: 16 oz. (0.47 liter) bottles, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.



## EcoLine® VpCI® Food Machinery Lubricating Grease

This is a high-quality, corrosion inhibiting lubricant formulated with American-grown natural soya seed oil. It is an environmentally friendly lubricant and VpCI® rust preventative grease, specifically formulated to meet and exceed the demands of major food and meat processing plants. It conforms to USDA H-1 criteria and USFDA regulations 21CFR 178 3570 "Lubricants with Incidental Food Contact". In addition to lubricating, it is self-healing and has a high flash point. This biodegradable lubricating grease provides a powerful combination of contact and Vapor phase Corrosion Inhibitor (VpCI®) protection. Nonflammable. Available in: 16 oz. (453.6 g) tubs, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.



Photo courtesy of <http://maryeats.com/>

## EcoLine® VpCI® Heavy Duty Grease

This grease was formulated with American-grown natural soya seed oil. Utilizing the latest biotechnology, it is an environmentally friendly replacement for traditional harmful greases. In addition to lubricating, self-healing and moisture displacing properties, this biodegradable grease provides a powerful combination of contact and (VpCI®) vapor phase corrosion protection. EcoLine® Heavy Duty Grease can protect bearings and other equipment from corrosion during operation and lay-up without harming the environment. Nonflammable and biodegradable. Available in: 14 oz. (396 g) cartridges, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.



## EcoLine® VpCI® Long Term Rust Preventative

This long term biodegradable coating provides outstanding multi-metal corrosion protection. It was designed to be used in salt spray (marine) and high humidity environments. It protects against all types of corrosion and oxidation. It works especially well on carbon steel, aluminum and copper. It also has excellent penetrating properties which aid in loosening frozen or rusted parts, and is safe for metals and plastics. Use full strength. Do not dilute. Nonflammable. Available in: 16 oz. (0.47 liters) bottles, 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, liquid totes and bulk.



## EcoLine® VpCI® Surface Cleaner and Degreaser

An industrial strength, biodegradable and water reduceable cleaner and degreaser. It is ideal for cleaning parts in industrial and commercial applications. Use in parts washers, dip tanks, ultrasonic and pressurized cleaning systems and for general maintenance. Metals and plastics safe. Can be diluted up to a 1:5 ratio in water Nonflammable. Available in: 16 oz. (0.47 liters) bottles, 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, liquid totes and bulk.



# New Products

## EcoLine® 3220

This product is another exciting addition to our biodegradable line of products made with renewable resources. EcoLine® 3220 is 100% bio-based ready-to-use temporary coating. This canola oil-based product offers a tenacious film which clings to metal surfaces, providing excellent contact corrosion protection in storage and shipment. In addition EcoLine® 3220 provides long lasting vapor corrosion inhibition. Made from renewable materials and containing canola oil as a carrier, this product is very environmentally safe, has excellent thermostability and doesn't affect rubber or plastics.

## EcoLine® 3690: Open Air Corrosion Inhibitor

EcoLine® 3690 is a biodegradable ready-to-use temporary coating designed for use in severe marine and high humidity conditions. When applied on the surface, this product leaves an oily film, which provides excellent outdoor protection. The film is self-healing and moisture-displacing. Based on canola oil, EcoLine® 3690 is 70-75% biobased, very safe for people and environment.

**Cortec® will continuously improve the environmental performance of our products and processes to provide a better world for future generations.**

**EcoLine® products exemplify Cortec's long-standing commitment to conserve our natural resources by utilizing renewable resources such as the soybeans. The cornerstone of Cortec's past and future is based on the development of innovative and environmentally responsible materials protection technologies.**



### LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

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