

The market-launch of the Scottoiler for bicycles marks the end of 25 years research & development on my basic inventive step: that of using water, instead of oil or grease, as the base fluid to lubricate and clean chains.

At first glance, lubricating a chain with water does not make sense. One would expect a reduction in efficiency, along with an increase in corrosion. But new, clever additives, blended into the water, plus a practical on-board delivery-system has now made this possible.

With the Scottoiler there is a dramatic improvement in the service-life, efficiency, and cleanliness of bicycle transmission. I hope my invention increases respect for roller-chain, a very efficient method of transmitting pedal-power, which has fallen into some disrepute simply because the methods required for cleaning and lubrication were so labour-intensive, dirty, and inefficient. This Scottoiler system will change all that.

Fraser M Scott (Inventor)

*Note on pre-cleaning:*

*For best results, any residual grinding-paste already in the transmission should be cleaned off prior to using the Scottoiler Active Fluid System. Scottoiler Active Fluid is not a detergent. It will NOT dissolve existing oil or grease. This will have to be done with either a) spirit-based solvents through a separate cleaning system, or b) using Scottoiler Cleaning Fluid through the Scottoiler System itself.*

*The latter method is probably the easier of the two, but we cannot yet recommend any other cleaning fluids as they might damage the soft rubber Squid.*

*The Scottoiler Active Fluid System and Active Fluid refills are available from selected dealers or from:*

**Scottoilers (Scotland) Ltd**  
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**Scottoiler®**

## Active Fluid System

Simple, effective, lubrication and corrosion protection where you want it, when you need it.

## Bicycle Chain Lubrication

- Increases chain life
- Increases efficiency
- Protects your chain from corrosion
- Reduces wear
- Keeps your chain looking brand new

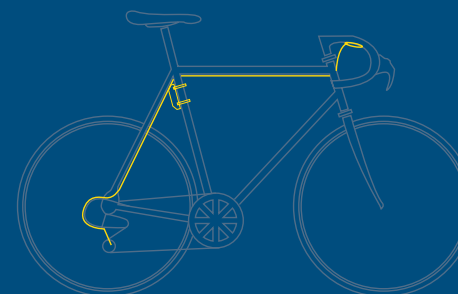
Every time you ride your bike, you lose some power to friction. A bicycle chain is made up of 100 or so bearings, depending on clean lubricant for smooth, efficient running and durability.

You may already oil your bike chain regularly – but when it rains, water penetrates the gaps between the side-plates, gets into the link-pin bearings, and washes off the film of oil required to separate the bearing surfaces. Worse still, dirt, mixed with the oil, form ‘grinding-paste’. This stuff speeds up wear of the whole of the chain-set, which becomes erratic when changing gear, and inefficient under power. And let’s not forget how expensive it is to replace the chain-ring(s), sprockets, and chains!

Scottoiler Active Fluid is a specially formulated blend of mineral oil, additives, and water. Together they form a unique lubricant and powerful anti-corrosive solution. Even when the water evaporates an active, concentrated residue of the fluid remains in place, serving as a very thin, clean, protective coating on all the chain surfaces.

When you ride again, simply squeeze the Squid to ‘wet’ the chain. It’s that simple.

**Simple, effective, lubrication and corrosion protection where you want it, when you need it.**



## How Does It Work?

### Lubricates:

Maintains a high-strength film of fluid in the bearings. Evaporation of water leaves a very thin, almost invisible, protective layer of concentrated fluid in place which protects the chain from corrosion while the bike is stored.

### Cleans:

Any ‘grinding-paste deposits’ formed by a mixture of oil and dirt can be easily washed away by ordinary water. Black deposits on the hands, legs or clothing are greatly reduced, and again, are also easily washed away with cold tap water.

### Parts & Operation

#### [Total weight: 2 ounces]

**Squid:** Self-inflating (rubber) force-pump of 1.8ml capacity, with optional, ‘automatic’, finger-pinch-valve facility. Simply stick-it-on and ‘two-finger-squeeze’ against any convenient frame-tube or handlebar.

**Reservoir:** 35ml fluid container. Fix on a frame-tube.

**Injector:** An ‘injecting centrifuge’. Replaces the existing lower jockey-wheel.

**Delivery tubes:** Flexible, plastic extrusions which fix neatly to the bicycle-frame.

**Active Fluid:** Water-soluble lubricant with corrosion-inhibiting additives.

A replenishment 125ml supply is provided in a conveniently carried, re-sealable ‘squeeze bottle’. (The minute quantities of Active Fluid required to properly lubricate the chain, being entirely water-dispersible, do not threaten the environment in any way.)

**Cleaning Fluid:** For cleaning your chain before you use the Scottoiler Active Fluid System (see note on pre-cleaning).