



QUICKSILVER
SCIENTIFIC®

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Advanced PushCatch® Detox System

ENVRMNTL



WELCOME TO A BETTER WAY TO DETOX

Your body's natural detoxification system is one of the most important foundations of whole-body wellness. It continuously works to clear toxins that accumulate throughout life.

Yet in today's industrialized world, our constant exposure to pollutants and toxicants has overwhelmed this delicate system. The result is an increasing toxic burden that strains multiple body systems, gradually depleting vitality and resilience.

That's why engaging in a structured detoxification program is more important than ever. **Advanced PushCatch® Detox System ENVRMNTL** is designed to work in harmony with your body, helping to mobilize a wide range of stored toxins from your cells ("push") and bind them in the GI tract for elimination ("catch").

By reducing toxic load, your body's systems can function more efficiently to restore balance, energy, and overall health.

Welcome to your detox journey. Let's take this step together.



- **Dr. Christopher Shade**
Founder & CEO Quicksilver Scientific

WHY DETOX?

Your body is equipped with a natural detoxification system—primarily involving the liver, kidneys, lymphatic system, and gut—to neutralize and eliminate harmful substances. Detoxification is not a one-time event; it's a continuous process vital for health and longevity.

Over time, this system can become overwhelmed by the volume of contaminants we are exposed to daily, which fall broadly into two categories:

ENDOGENOUS TOXINS - *produced by the body*

The body generates internal waste products that must be cleared regularly.

These include:

- **Endotoxins** – Fragments from bacteria that can leak from the gut into the bloodstream, triggering inflammation.
- **Hormones** – Once used, hormones like estrogen must be broken down and cleared to maintain balance.
- **Metabolic By-Products** – Everyday bodily processes generate waste, such as carbon dioxide, urea, and ammonia, which must be properly excreted.

EXOGENOUS TOXINS - *environmental + external*

These come from daily exposures—often invisible and unavoidable—and include:

- **Heavy Metals** – Such as mercury, lead, arsenic, and cadmium, found in food, water, and air.
- **Mold Toxins (Mycotoxins)** – From indoor mold exposure or contaminated foods.
- **Plasticizers & Chemicals** – Like BPA and phthalates, found in plastics, cosmetics, and packaging.
- **Medications & Drugs** – Pharmaceuticals, whether prescribed or over-the-counter, must be metabolized and cleared by the liver.

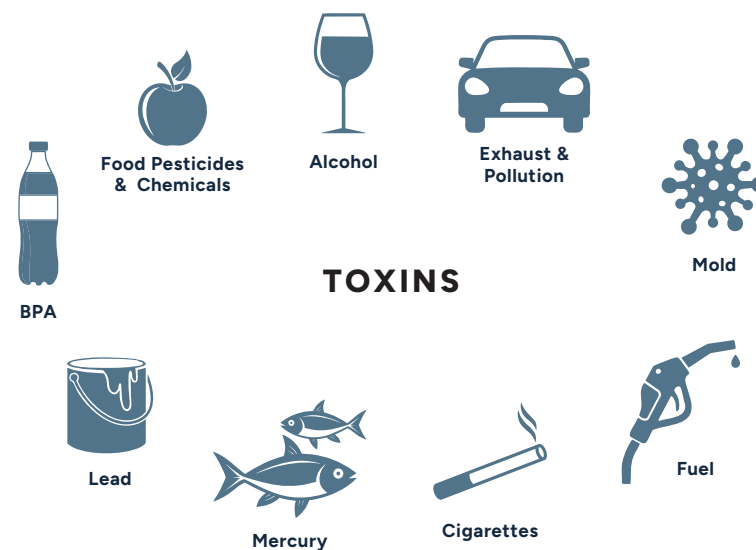
WHEN THE BURDEN EXCEEDS THE BODY'S CAPACITY

If toxins outpace your body's ability to eliminate them, these substances begin to accumulate in cells, tissues, and fat stores. This toxic load may:

- Deplete antioxidants like glutathione (your body's master detoxifying molecule)
- Impair mitochondrial function (the way your cells make energy)
- Disrupt your hormone and immune balance

Over time, this ongoing stress can leave you more vulnerable to immune dysregulation, fatigue, memory and focus problems, and even faster aging.

The good news: supporting your detox pathways with smart supplementation can help restore balance, build resilience, and help you feel and function your best.



7 SIGNS OF ENVIRONMENTAL TOXICITY

01. Fatigue or weakness

You may feel persistently tired, even after a full night's sleep. Everyday tasks can feel draining, and you might notice a drop in physical stamina or an overall sense of sluggishness that's hard to shake.

02. Cognitive issues

Brain fog, forgetfulness, poor concentration, or feeling mentally "off" can signal neurological stress. You may struggle to focus, find the right words, or process information as quickly as you used to.

03. Gastrointestinal irregularities and discomfort

Bloating, constipation, nausea, or unpredictable bowel habits could indicate toxic disruption in the gut. You may feel general GI discomfort and/or notice an increase in sensitivities toward certain foods.

04. Numbness or tingling in hands and feet

This can feel like pins and needles, burning, or a sense of "deadness" in your extremities. It's often subtle at first but may become more noticeable or frequent over time.

05. Joint and muscle pain

Aches, stiffness, or soreness—especially in the absence of strenuous activity—may be due to inflammation triggered by toxin accumulation. You might feel like you're aging faster or recovering more slowly from minor physical activity.

06. Mood disturbances

You may experience irritability, anxiousness, or depressive symptoms without a clear cause. Emotional ups and downs or a sense of overwhelm could be tied to how metals interfere with neurotransmitters and stress responses.

07. Immune dysfunction

Frequent colds, allergies, or lingering illnesses may indicate that your immune system is overburdened. You may feel like you're always "coming down with something" or that your body isn't bouncing back like it used to.

ADVANCED PUSHCATCH® DETOX SYSTEM ENVRMNTL

Advanced PushCatch® Detox System ENVRMNTL is a comprehensive and streamlined toxin removal program designed to support the efficient removal of multiple toxins by supporting the body's natural detoxification capabilities.*

Liver Sauce® supports the movement and excretion of stored toxins using powerful nutraceuticals, bitter herbs, and plant compounds. **Liposomal Glutathione** offers additional antioxidant defense and immune stabilization, while high dose phosphatidylcholine in **Membrane Mend®** aids toxin export and cell membrane function. Targeted kidney-centric phytonutrients found in **Kidney Care** help nourish the kidneys and stimulate lymphatic drainage to eliminate toxins via urinary excretion.*

None of our detoxification protocols are complete without including binding agents. Within **Advanced PushCatch® Detox System ENVRMNTL** is our broad-spectrum **Ultra Binder®** formula, bringing a combination of binding agents together to effectively "catch" toxins in the GI tract for removal.*

WHAT SETS QUICKSILVER SCIENTIFIC'S DETOXIFICATION SYSTEMS APART FROM OTHER PROTOCOLS?

- Matching Ingredients to Biochemistry: There is no guesswork formulating and designing our products and protocols. Each well-researched ingredient has a targeted biochemical purpose to support cellular health, function, and detoxification processes.
- Quicksilver Delivery Systems® Our proprietary delivery technology improves upon liposomal and emulsification technology with smaller, stable particles. This supports the higher absorption rate of ingredients for rapid cellular delivery and consistent outcomes.

INSIDE THE PROTOCOL



Liver Sauce®

QTY 2 - 100 mL Bottles



Liposomal Glutathione

QTY 2 - 50 mL Bottles



Membrane Mend®

QTY 2 - 100 mL Bottles



Kidney Care

QTY 2 - 100 mL Bottles



Ultra Binder®

QTY 2 - 20 packets 4g Stick Packs

THE PUSHCATCH® SYSTEM

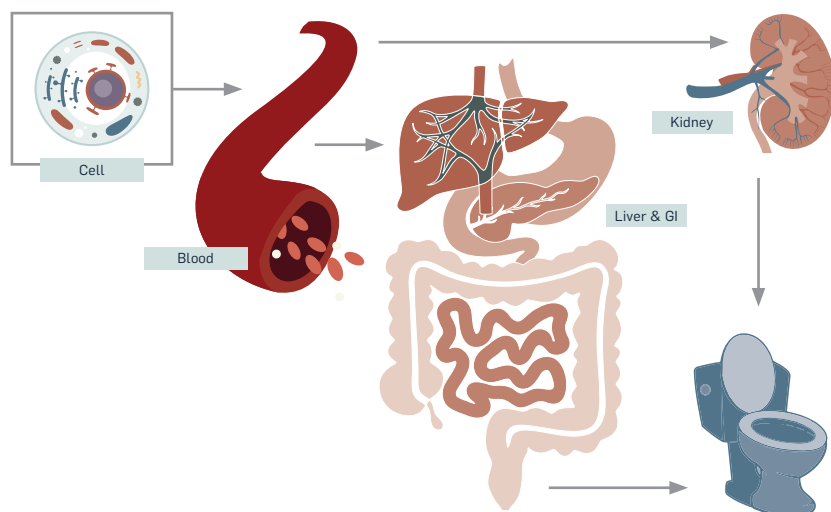
1. HOW IT WORKS

Improperly designed detox protocols can result in toxins recirculating throughout the body. The patented **PushCatch®** model of detoxification was developed by Quicksilver Scientific® and Dr. Shade to work with the body's natural detoxification processes. It encompasses all three phases of detoxification: activation, conjugation, and the filtration and binding of toxins in the GI tract.

PHASE I & II, "PUSH": Potent nutrients and bitter phytochemicals help activate critical biochemical pathways such as Nrf2 to "push" toxins from the cell into the blood, liver, and kidneys.*

PHASE III, "CATCH": Healthy bile flow supports the movement of toxins through the liver and kidneys for excretion. Binding agents such as charcoal and bentonite clay intercept, or "catch," toxins in the intestine for removal, helping minimize recirculation.*

THE PUSHCATCH® MODEL OF DETOXIFICATION



2. HIGHLY BIOAVAILABLE PRODUCTS

Quicksilver Scientific has been a cutting-edge leader in practitioner-grade detoxification products and protocols for over a decade, specializing in highly bioavailable dietary supplements using proprietary nanoparticle delivery technology. Nanoparticle delivery, also commonly called liposomal delivery, allows for efficient cellular absorption of ingredients, bypassing digestion and first-pass metabolism.

3. BIOSYNCHRONOUS-ACTIVATION®

Our delivery technology enhances bioavailability, absorption, and the timely delivery of ingredients. When removing toxins from the body, this delivery plus timing creates a cohesive activation of detoxification pathways, a process we call **Biosynchronous-Activation®**.

For example, **Liver Sauce®** combines powerful detoxification compounds R-lipoic acid, milk thistle, DIM, quercetin, luteolin, and the bitter herbs dandelion, solidago, gentian, and myrrh into a phospholipid nanoparticle for rapid and simultaneous cellular absorption of all ingredients.*

This sets the stage for an efficient, dependable cycle of detox.

Traditional detoxification programs that use capsules or powders cannot cohesively activate detoxification pathways because of the slow and variable metabolism of ingredients. This can result in a patchwork detox cycle, increasing the risk for redistribution of toxins and creating unwanted detox symptoms with diminished outcomes.

PATENTED PROTOCOL

The PushCatch® 2-step system (Liver Sauce® and Ultra Binder®) is a patented method of treatment for proper detoxification.

US Patent Numbers: 11,391,702; 12,121,558

30-DAY PROTOCOL INSTRUCTIONS

PRODUCT CYCLING: 5 days on, 2 days off

ACTIVE DETOX DAYS: 20

30-DAY PROTOCOL				
PRODUCT	A.M.	30 MIN. LATER	P.M.	30 MIN. LATER
Dr. Shade's Liver Sauce*	1 tsp		1 tsp	
Liposomal Glutathione	5 pumps		5 pumps	
Dr. Shade's Kidney Care	1 tsp		1 tsp	
Membrane Mend*	1 tsp		1 tsp	
Ultra Binder* Stick Packs		1 pack mixed in water		1 pack mixed in water

*Make sure to drink adequate water when taking charcoal-containing supplements

INSTRUCTIONS:

- Take 1 tsp each of **Dr. Shade's Liver Sauce**®, **Kidney Care**, and **Membrane Mend**®, and 5 pumps of **Liposomal Glutathione** twice daily.
- Hold each dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended.
- Mix 1 **Ultra Binder**® stick pack in 8 ounces of filtered water 30 minutes after taking the liquid products. Wait another 30 minutes before eating.
- This protocol may be repeated as needed.

IF TAKING MEDICATIONS, PLEASE READ: Because Ultra Binder® contains activated charcoal and other substances which may affect the absorption of medications, it should be taken at least two hours before or after prescription medications.

*We recommend working with a qualified practitioner for guidance.



60-DAY PROTOCOL INSTRUCTIONS

PRODUCT CYCLING: 5 days on, 2 days off

ACTIVE DETOX DAYS: 40

60-DAY PROTOCOL		
PRODUCT	A.M.	30 MIN. LATER
Dr. Shade's Liver Sauce*	1 tsp	
Liposomal Glutathione	5 pumps	
Dr. Shade's Kidney Care	1 tsp	
Membrane Mend*	1 tsp	
Ultra Binder* Stick Packs		1 pack mixed in water

*Make sure to drink adequate water when taking charcoal-containing supplements

INSTRUCTIONS:

- Take 1 tsp each of **Dr. Shade's Liver Sauce**®, **Kidney Care**, and **Membrane Mend**®, and 5 pumps of **Liposomal Glutathione** once daily.
- Hold each dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended.
- Mix 1 **Ultra Binder**® stick pack in 8-12 ounces of filtered water 30 minutes after taking the liquid products. Wait another 30 minutes before eating.
- This protocol may be repeated as needed.

IF TAKING MEDICATIONS, PLEASE READ: Because Ultra Binder® contains activated charcoal and other substances which may affect the absorption of medications, it should be taken at least two hours before or after prescription medications.

*We recommend working with a qualified practitioner for guidance.



RESULTS OF AN EFFECTIVE DETOX PROGRAM*

WEEK 1

In the first week of detox, it's common to feel a little more tired than usual. This is normal! Your body is shifting energy toward mobilizing and clearing toxins. If you feel fatigued, stay well-hydrated, get extra rest, and give yourself permission to go easy—you're supporting your body through an important adjustment.*

WEEKS 2–3

By the second and third week, your body has likely adjusted to your new detox routine. Many people notice more energy, a brighter mood, better sleep, and clearer thinking.*

WEEK 4 AND BEYOND

As you move into week four and beyond, these positive changes often continue to build—greater stamina, deeper rest, balanced mood, and improved mental clarity.* You may also notice that health conditions you struggled with before starting detox have faded. By removing toxic barriers, your body can function more efficiently, supporting immune and hormone balance, gut health, cognition, and overall vitality.*

YOUR QUESTIONS, ANSWERED

Q. HOW DO I DETERMINE WHICH PROTOCOL TO DO?

- A.**
- The **30-day protocol** offers a more intensive approach, with twice-daily dosing that provides a stronger and more prolonged activation of detoxification pathways. If well tolerated, this option may help clear toxins at a faster rate.
 - The **60-day protocol** is a gentle alternative. With once-daily dosing, it's easy to follow and less intensive, making it a good choice for those who are more sensitive or have busy schedules.

Q. HOW OFTEN SHOULD I ENGAGE IN A FORMAL DETOX PROGRAM LIKE THIS ONE?

- A.** Most people benefit from completing a structured detox a couple times per year, depending on their lifestyle and exposure to toxins. Some choose to repeat a program more frequently if symptoms persist or their environment places extra demands on their detox systems. Working with a healthcare provider can help you determine the right frequency for your needs and ensure you're getting the best support.

Q. DO I NEED TO FOLLOW A SPECIFIC DIET WHILE I'M ON THE PROGRAM?

- A.** No. However, it can be beneficial to reduce overly processed foods, excess sugar, and alcohol while detoxing as these things are inflammatory in nature and can create blockages to detoxification. Eating whole foods that are high in fiber during your detox can provide additional detoxification support.

Q. SHOULD I DRINK EXTRA WATER WHILE DETOXING?

- A.** Drinking plenty of clean, purified water is vital to help flush toxins from the body. Keep a glass water bottle on hand and aim to drink half your body weight in ounces of water per day. For example, if you weigh 140 lbs., aim to drink 70 ounces of water daily.

Q. WILL I EXPERIENCE CHANGES IN ELIMINATION HABITS?

- A. You may notice a change in urination frequency due to the lymphatic drainage aspect of the program. Don't be alarmed, the kidneys are vital toxin elimination organs and increased urination supports the removal of excess fluid and waste.

Occasionally, people will experience changes in their bowel habits when they're detoxing. Some may have loose stools, while others experience difficult elimination. It is ideal to have at least one bowel movement daily. If it's difficult, try increasing your water intake, moving your body with yoga or a vigorous walk, or increasing the fiber in your diet by eating more fruits and vegetables.

Q. CAN I EXERCISE WHILE I'M ON THE PROGRAM?

- A. Yes! During the first few days, you may want to take it easy, but exercise is a great complement to your detoxification program as toxins are also excreted through skin via sweat.

Q. WHY DO QUICKSILVER SCIENTIFIC PRODUCTS HAVE SUCH A STRONG TASTE?

- A. We use many bitter-tasting plant compounds in our products. Bitter herbs are classic detoxifying compounds that promote bile production and flow to support the movement and elimination of toxins.*

Q. WHAT IF I NEED TO SKIP A DAY OR A FEW DAYS?

- A. Not to worry! The protocol has a built-in pulse dosing schedule where you automatically get a few days off from the protocol. The body responds better to the program when it has a few days of rest. If you forget a day or two, the body won't mind, and it's okay if you extend the program past 30 or 60 days to make up for missed days.

Quicksilver's Favorite Detox Support Products:

QuintEssential® 0.9 or 3.3: Mineralization and hydration support*

Methyl B-Complex: Additional detoxification nutrients*

NAD+ Platinum®: Cellular energy and function*

Full Spectrum Hemp Extract: Supports parasympathetic activity to aid detox*

Microb-Manager Para-Max: Microbial balancing support to help remove barriers to detox*



PRODUCT DESCRIPTIONS

DR. SHADE'S LIVER SAUCE®

Liver Sauce is a premier liver formula that supports bile flow and detoxification pathways to aid toxin elimination while balancing healthy inflammation and antioxidant activity. Liver Sauce acts as the "push" in the Advanced PushCatch® system, supporting all phases of detoxification.*

IN THIS FORMULA:

R-Lipoic Acid: R-lipoic acid (as sodium R-lipoate) is a potent antioxidant that is a strong activator of Nrf2 and helps upregulate the glutathione system.*

Dandelion and Gentian Root: Dandelion and gentian roots are bitter herbs that help activate bile production by stimulating bitter taste receptors in the GI tract. They are also known to have powerful hepatoprotective effects supporting antioxidant activity in the liver.*

Solidago: Solidago supports excretion of toxins through the kidneys. It also helps increase glutathione levels, supporting phase II detoxification processes.*

Myrrh Oleo-gum Resin: Myrrh helps activate bile flow and offers antioxidant and microbial-balancing effects.*

DIM: Diindolylmethane is a phytonutrient found in cruciferous vegetables that supports the activity of Nrf2. It also has immune-modulating properties.*

Milk Thistle: Milk thistle supports healthy liver function, a prerequisite for successful detoxification.*

Quercetin and Luteolin: The flavonoids quercetin and luteolin help balance the body's immune response making detoxification easier.*



LIPOSOMAL GLUTATHIONE

Liposomal Glutathione is a powerful partner to Dr. Shade's Liver Sauce for advanced detoxification. Known as our body's master antioxidant, Liposomal Glutathione supports all three phases of detoxification. It is also a crucial ally in healthy aging and immunity.

IN THIS FORMULA:

Opitac™ Glutathione: reduced L-Glutathione, a tripeptide consisting of glutamic acid, cysteine and glycine. Glutathione is the body's premier antioxidant. It is essential for detoxification and maintaining healthy immune function.*



DR. SHADE'S KIDNEY CARE

Drainage is a vital aspect of safe and effective detoxification and the kidneys play a large role in this process. Kidney Care is effectively the drainage or 'release' aspect to the Advanced PushCatch® Detox System - ENVRMNTL.

Kidney Care is a proprietary blend of botanicals and nutraceuticals that includes Astragaloside IV extract, Zhu Ling, Goldenrod, Dandelion Leaf, He Shou Wu root, Fu Ling, and Ferulic Acid to support healthy kidney function, drainage, and improved detoxification.*

IN THIS FORMULA:

Dandelion Leaf and Goldenrod: The classic bitter herbs dandelion leaf extract and goldenrod support healthy drainage and filtration capabilities of the kidneys for enhanced detoxification.*

Fu Ling and Zhu Ling: Fu Ling is a fungus that grows around the roots of pine trees. It has been found to support kidney tissue integrity. Zhu Ling is an edible mushroom species and has been shown to support healthy kidney function by influencing normal genetic expression.*

Astragaloside IV: Astragaloside IV is a phytochemical derived from Astragalus that offers a vast array of benefits from helping to protect delicate kidney tissue as well as supporting the KLOTTHO pathway, which is critical for longevity.*

Ferulic Acid: This phytochemical is found in fruits and vegetables and helps fortify the body's natural antioxidant defenses and supports healthy inflammatory response and autophagy.*

He Shou Wu (Polygonum multiflorum): He Shou Wu is a Chinese herb with a rich history of use in supporting healthy kidney function and is a tonifying component of the formula.*



MEMBRANE MEND®

Every cell and organelle in the human body is encapsulated by a lipid membrane that serves as the initiation point for intracellular signaling pathways. A number of modern-day factors including toxins can disrupt the integrity and health of the cell's membranes. Membrane Mend® is designed to support the health and resilience of cell and organelle membranes.*

IN THIS FORMULA:

Phosphatidylcholine: Phosphatidylcholine is the cornerstone of membrane lipid therapy and has been shown to support optimal energy production by fortifying mitochondrial composition. PC also supports healthy bile flow, and healthy liver and brain function.*

Astaxanthin: Astaxanthin is a pink-colored carotenoid found in marine life like krill, shrimp and salmon. This carotenoid provides potent antioxidant benefits that support membrane integrity.*

DeltaGold® Tocotrienols: DeltaGold® Tocotrienols are compounds within the vitamin E family with powerful antioxidant properties. Delta tocotrienol is a highly bioavailable form that aids in membrane protection from oxidative damage.*

Ahiflower®: Ahiflower® is a plant-based omega-3 fatty acid derived from Buglossoides arvensis seeds. Along with PC, essential fatty acids play a vital role in membrane health and function.*



ULTRA BINDER® STICK PACKS

Ultra Binder® is our broad-spectrum binder blend that 'catches' excreted toxins in the GI tract for safe and effective removal from the body. Since no single binder has an affinity for all toxins, our formula contains an array of binding agents to support a more complete detox.*

IN THIS FORMULA:

Activated Charcoal: Charcoal is shown to support the removal of metals, endotoxin, plant toxins, gasses, and vapors, among other substances.*

Bentonite Clay: Bentonite clay is a broad-spectrum microbial binder shown to catch mold toxins, heavy metals, microbes, and various chemicals.*

Chitosan: Chitosan is polyfunctional and has been shown to support the binding of metals and microbes. It also supports friendly flora such as bifidobacteria and lactobacilli.*

Zeolite: The unique molecular structure of zeolite makes it a powerful "cation exchanger," or a substance capable of binding small molecules, including toxins such as heavy metals and organophosphate pesticides.*

Intestinal Metals Detox (IMD®): Quicksilver's proprietary thiol-functionalized silica product delivers insoluble thiol groups to bind and help eliminate mercury and other heavy metals.*

Aloe Vera Leaf and Fibre Gum™: Aloe vera is a soothing prebiotic supporting healthy gastric flora. It also supports bowel regularity. Fiber Gum™ is a soluble fiber that supports beneficial gut bacteria and GI motility and function.*





Quicksilver Scientific® is a leading manufacturer of advanced dietary supplement formulations with a focus on detoxification. Our proprietary liposomal delivery technology supports the bioavailability of ingredients and unsurpassed absorption for health optimization.

At Quicksilver Scientific®, we are passionate about health and well-being and are committed to improving the lives of everyone we touch.



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