

## **Squalene and Thimerosal are toxic additives in flu vaccinations**

**Squalene** is a natural organic compound obtained for commercial purposes primarily from shark liver oil though botanic sources (primarily vegetable oils) are used as well, including amaranth seed, rice bran, wheat germ, and olives. All higher organisms produce squalene, including humans. It is a hydrocarbon and a triterpene. Squalene is a natural and vital part of the synthesis of cholesterol, steroid hormones, and vitamin D in the human body. Squalene is used in cosmetics, and more recently as an immunologic adjuvant in vaccines.

Squalene is the biochemical precursor to the whole family of steroids. Oxidation (via squalene monooxygenase) of one of the terminal double bonds of squalene yields 2,3 squalene oxide, which undergoes enzyme-catalyzed cyclization to afford lanosterol, which is then elaborated into cholesterol and other steroids.

An adjuvant using squalene is Novartis' proprietary adjuvant MF 59, which is added to influenza vaccines to help stimulate the human body's immune response through production of CD4 memory cells.

### **Squalene laced H1N1 vaccination pharmacological warfare"**

"Animals injected with squalene always develop painful, incurable, autoimmune diseases like multiple sclerosis, rheumatoid arthritis or systemic lupus according to investigative journalist Gary Matsumoto, former reporter for NBC and Fox News. (Gary Matsumoto, Vaccine A: The Covert Government Experiment That's Killing Our Soldiers and Why GIs Are Only the First Victims, Basic Books, 2004) Dangers of squalene have been known since 1956 when Dr. Jules Freund, creator of this oil-based adjuvant, warned that animals injected with his formulation developed terrible, incurable conditions: allergic aspermatogenesis (stoppage of sperm production), experimental allergic encephalomyelitis (the animal version of MS), allergic neuritis (inflammation of the nerves that can lead to paralysis) and other severe autoimmune disorders.

In addition, a 2000 study published in the American Journal of Pathology demonstrated a single injection of the adjuvant squalene into rats triggered "chronic, immune-mediated joint-specific inflammation," also known as rheumatoid arthritis."

This is despite documented government warnings that adjuvanted vaccines can induce more pronounced side effects than ordinary vaccines

As with any substance, whether squalene causes harm or not is related to selected conditions of concentration, dose, route of application, and other factors.<sup>[15][16]</sup>

**Thimerosal**, the deadly antiseptic and antifungal agent. "Thimerosal is a very effective preservative that has been used since the 1930s to prevent contamination in some multi-dose vials of vaccines," according to the [Centers for Disease Control](#).

In 1977, a Russian study found that adults exposed to ethylmercury, the form of mercury in thimerosal, suffered brain damage years later,” writes [Dawn Prate](#) for Natural News. “Studies on thimerosal poisoning also describe tubular necrosis and nervous system injury, including obtundation, coma and death. As a result of these findings, Russia banned thimerosal from children’s vaccines in 1980. Denmark, Austria, Japan, Great Britain and all the Scandinavian countries have also banned the preservative.”

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