Where Does Organic Sulfur Come From?

It begins with plants and trees. There are plants and trees from twenty million years ago, which have turned into crude oil. In spite of all the bad publicity, crude oil is actually a ‘plant based’ commodity. And, today in modern times, there is the pulp and paper industry, which is based on pine trees, which makes the pulp and paper industry a plant-based industry. One end product from either of these plant-based industries is a substance that is sometimes referred to as ‘black liquor’.

Black liquor is a smelly, dark, gooey liquid (from either petro- or pulp heavy industry) and is then sold to a manufacturer and processed into dimethylsulfoxide1. This is DMSO1, usually just called DMSO (chemically: C2H6OS)—a clear, oily liquid that tastes like oysters or strong garlic and gets warm when mixed with water.1 There are basically two grades of DMSO—industrial and pharmaceutical.

Pharmaceutical grade DMSO can be used as a healing agent and has demonstrated excellent health benefits. It’s been used in sports and veterinary medicine for years and many people report that DMSO is a remarkable long-term solution to joint and body pain, body fungus, herpes outbreaks, warts, arthritis, skin lesions, scars, and many other conditions. Pharmaceutical grade DMSO can be injected (by a doctor), taken orally, or used topically. It’s relatively inexpensive to manufacture; it cannot be patented, and it’s easily available in large quantities. Pharmaceutical companies are opposed to its general availability—they’d lose money in drug sales, and there’s no substantial profit.2 The “problems” are that taking DMSO does have some attendant risks and it creates a very strong and unpleasant body and breath odor (which disappears a couple of days after stopping).

Next in the process is: When you combine DMSO1 with hydrogen peroxide, in a very complex procedure, and use pharma-grade material you end up with pharmaceutical grade Organic Sulfur (or MSM). All organic sulfur is a manufactured product. It is complex. Of course…

- There are different standards of source material (pharmaceutical grade or industrial).
- There are different standards of manufacturing (pharmaceutical, veterinary, industrial).
- There are different ways of manufacture—distilled or precipitated, and some that combine both systems—explanations that would require a textbook on chemistry.
- There are off shore manufacturers, principally China or India, with non-monitored manufacturing plants.
- There is a wide range in the presence of heavy-metal toxins after manufacture [from less than 3 ppm (North American precipitated product) and up to over 10 ppm in some foreign manufacturers].
- Most manufacturers include but do not declare post-production additives.
- The post-production environment is as crucial as the production. In what environment and how was the product handled post-production?
- Efficacy varies between pills, powders, liquids, and flakes. Additives are always detrimental.

These are all the considerations. So… regarding our product:

The best procedure, that has been found by the director of this study, is to combine a pharmaceutical grade dimethylsulfoxide1 (DMSO1) and a pharmaceutical grade hydrogen peroxide, in a precipitation process, in a standards-monitored manufacturing plant. It ends in a negative-vacuum packaging center with no post-production manipulation of the product. The result is pure dimethylsulfoxide2 (Organic Sulfur) in large flakes. It’s very complicated, both before and after manufacture. There is only one plant that the director has found in two world tours (2004 and 2007) that covered seven facilities on three continents, which consistently met acceptable standards. This is the North American plant that supplies our Organic Sulfur. It is the best that can be found, to date, anywhere in the world.

At our packing facility, each bulk shipment is received directly from the manufacturer and each pound is vacuum-sealed by hand to ensure continued purity and quality.

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1 See DMSO Nature’s Healer, by Dr. Morton Walker

2 DMSO1 is a very effective transdermal agent and is used effectively on the skin. Do not use it full strength. Read DR. Morton Walker’s book. There is a video on YouTube – search Dr. Stanley Jacob / DMSO. See: The Persecuted Drug: The Story of DMSO by Pat McGrady.
What is in Organic Sulfur?

Assuming it is PURE and properly manufactured... The molecular compound of organic sulfur is organic because, unlike many other sulfur mixtures and compounds, our organic sulfur has no additives and is 100% organically available to your body. Your body uses all of it.

- 34% bio-available elemental sulfur (oxygen transport and amino acid manufacture)
- 25.5% bio-available carbon (scar tissue and damaged cell repair)
- 6.5% hydrogen (anti-oxidant)
- 34% oxygen (cellular rejuvenation and nutrient utilization)
- trace water and very small traces of DMSO moisture (cell repair and hydration).

When pure, our body needs and uses 100% of its components. In our organic sulfur there are no byproducts, additives, flow agents, waste products, or toxins. No, you do not get bad breath or body odor from this organic sulfur (yes from DMSO1, not from organic sulfur).

Processed MSM Products - Silica & Flow Agents

Reports have been received on about thirteen other products sold in pills, capsules, or in a powdered form. Retail and other sulfur/MSM products we’ve observed are not the same as the organic sulfur used in the West Coast Organic Sulfur Project.

If organic sulfur is to be made into pills or powders for resale it must be processed two or three times after its manufacture. It has to be ground into a powder and then flow agents like silica or sterate are added, which are themselves impurities and aid in defeating the purpose of organic sulfur. This is also true for almost all capsules. Post-manufacture processing is detrimental to the organic sulfur—each molecule of organic sulfur is affected by its environment. Powdered forms are very susceptible to air-born contamination. Its electron make up causes it to “attach itself” to whatever it comes into contact with. This alters its makeup and reduces its effectiveness. Flow agents, coatings, the gel capsule, “health additives” like Aloe Vera or vitamin C and liquids interfere with organic sulfur (including it being mixed into health drinks) make it less effective.

The West Coast Organic Sulfur Project has shown persuasively that the most health-effective form is non-processed organic sulfur in large flakes. Despite the claims of retailers and resellers that the form of organic sulfur doesn’t matter, our research proves that it does; it matters a great deal. To be effective, our bodies must be able to utilize the organic sulfur that we ingest directly through eating—from the stomach or the pre-digestive tract to the lymph and blood system then to the cells. Additives interfere with this. Lower standards of manufacture harbors more toxins and heavy metals.

Pure powdered organic sulfur, because of its electron make-up, clumps into hard chunks. This natural caking makes it impossible to manufacture pills and retail products without adding flow agents like silica or sterate. This prevents the clumping and allows it to be easily measured and packaged into pills. Here’s the catch: A significant drawback to consumers is silica is classified as “non-reactive” and inert, so some manufacturers and resellers can “legally” add silica or sterate and not include it on the label as an ingredient—mislabel their sulfur as organic or pure even though there is an additive.

It’s believed, here at NHOS Ltd., silica and sterate interfere with dynamic body processes, thereby making it detrimental to health. Study members advise and estimate that when organic sulfur is mixed with silica or other agents, it is 70% less effective than pure, large flake organic sulfur. Silica contaminates organic sulfur and shouldn’t be in our bodies. Most MSM that is available in processed forms of powder or pills/capsules has shown to be only very marginally effective for health.

There are three different names for the same manufactured product: MSM, DMSO2, and Organic Sulfur. It actually has a fourth name in some chemistry circles dimethylsulphone. Internet speculation and greed and ignorance have led to many conflicting claims and myths in the available information. One principle purpose of this study has been to understand and eliminate the contradictions so we can advise correctly and you can make an informed choice. Here are the general findings about...

Myths and Misrepresentations

- All organic sulfur available on the market is a manufactured product, hopefully made in a food-grade or pharmaceutical quality facility.
- It isn’t ‘extracted from nature’ as some claim. Yes, it is found in nature in trace quantities, but what’s sold is manufactured.

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3 The only exception that has been found to date is the capsules that have become available to this study, a 1 g capsule of pure organic sulfur, described earlier.

4 By our estimation, sometimes as much as 5% of retail sulfur is silica; however it is usually in the area of 1 - 2%.

www.organicsulfur-msm.ca
The misrepresentations are used to promote sales—it sounds very “green” and eco-friendly, but it’s inaccurate and very misleading. It’s all made in a manufacturing plant. The standards of manufacture, granular size, post-production product manipulation, packaging, and country of manufacture are important considerations.

- Organic sulfur occurs in nature in very small, trace quantities—far too small for natural extraction, and it’s too fragile to “extract” from natural sources, anyway.
- There’s no such thing as 99.9% or 100% pure organic sulfur. The best the director has ever found, through independent testing, is consistently proven 99.85% pure. The balance is trace moisture (water <0.1% and DMSO1 <0.05%). This is the only product we recommend and sell. [Side note: Our NHOSP Ltd. product is Kosher and Halal certified, Non-GMO, Vegan, Gluten/Allergen free, USA-FSSC and GMP (Canada and US) certified and for food safety. Ours is the only organic sulfur that has all these certifications.]
- Non-North American or off-shore MSM manufacturing standards have repeatedly shown to be less rigid than North American in their production. The director has tested at least nine other samples and toured six of the known manufacturing facilities on three continents. Off-shore sulfur product has less rigid production standards and slightly different manufacturing processes. This may not be true of all other-continent producers, but for those examined by the director, it has been.
- Off-shore imported sulfur (usually from India or China) is most often sold in a powder, with added flow agents of 0.02% – 5%, and usually sells for about one-third or one-half the cost of our North American made product. If it’s in the range of $12 - $20 dollars per pound it is more than likely off-shore; certainly not a guarantee, but a safe bet.
- Organic sulfur powders must have added flow agents otherwise the sulfur will cake into hard chunks. Silica or sterate can be from 0.02% up to 5% of the content. Additives make it less effective; reports from customers suggest about 70% less effective.
- Bulk, unprocessed, flakes are better health-wise than any processed retail product found thus far.
- The “best” capsule alternative found, so far, has been the capsules referred to in the NHOSP Ltd. manual.
- Organic Sulfur from a 4-step distilled process consistently analyses at slightly more pure than flakes from precipitated processes.
- Take it a minimum of twice a day. Organic sulfur is crucial for maintenance of an organic healing process in your body. Unlike vitamin D, it CANNOT be stored. Take it regularly, every day, twice a day.
- It is not related to sulfua drugs, and many people who are allergic to sulfua drugs take this organic sulfur.
- When examining the printed labels of about 25 different retail containers, all the daily-amount recommendations (number of mg per day), are far too low when compared with the reported results from this study.

**What Does Organic Sulfur Do?**

Most researchers agree that bio-available organic sulfur is one of the most important of the trace minerals. What makes it important? Sulfur, selenium, and tellurium are the only oxygen transport minerals for living tissue in animals and mammals. Organic sulfur is a transport mineral—a crucial dynamic of the growth cycle of all living things. It should be present in significant quantities in the human body (estimates are about 1% of body weight). Having bio-available oxygen, bio-available carbon, and bio-available sulfur, the three components of organic sulfur, at the cellular level is vital.

**Internal Respiration**

Facilitating oxygen transport at the cellular level through eating (rather than breathing) is one significant function of organic sulfur. This is called internal respiration. It’s crucial to “eat” oxygen, through organic sulfur, which as I pointed out above, is an oxygen-transport mineral. Organic sulfur transports oxygen molecules, enables and maintains a proper cellular gas-balance transfer, enables toxin removal, eliminates free radicals, places no extra functional pressure on the liver, fosters proper cellular regeneration (mosis and mitosis), facilitates the resolution of internal and external scar tissue, and enables the formation and utilization of amino acids.

**In Conclusion**

Ours is a proprietary, confidential agreement with the manufacturer. We do not, under any conditions, disclose the name of the manufacturer. This prevents their large-scale, wholesale operation being deluged with questions and requests for small purchases. They are not set up for small purchases or individual orders or for direct consumer relations, and their staff is not trained for the complex health consultations that are sometimes required. They deal with a few trained and experienced resellers, like this company. Our product is manufactured in the best facility found anywhere, which is in North America, to very exacting standards.
**MATERIAL SAFETY DATA SHEET**

**NATURAL HEALTH ORGANIC SULFUR PRODUCTS LTD.**

**1556 – 128 STREET, SURREY, BC, V4A 3T7, CANADA**

**SHIPPER:** Corporate Agency / Canada:

Richard Clark, Director
Natural Health Organic Sulfur Products Ltd.
1556 - 128 Street
Surrey, BC, V4A 3T7, Canada
Local: 604-542-9310 / 1-855-875-9311
www.organicsulfur-msm.ca
Email: rcss@telus.net
Import - Export Business Number (Canada) — 81727 0911 RM0001

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### Customs Information

**ORGANIC SULFUR – Methylsulfonylmethane – DMSO2**

**Canada Classification** — **Non-perishable food**

# 2930-90-99-99

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### FOR PERSONAL CONSUMPTION

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### MSDS — Product Information

**Dimethylsulfoxide2 (DMSO2)** or named as: Methylsulfonylmethane (MSM) or DimethylSulfone2 (DS2)

**Organic Sulfur—MSM**

**Appearance:** white crystalline flake / granular

**Moisture:** 0.15% Max (DMSO1 (non-hazardous) >0.5%, H2O water >1%)**

**Melting Point:** Dissolves in water / 109.5-110 Deg.

**E.Coli / Salmonella / Other Toxins:** NEG

**Assay:** 99.85 % pure

**Heavy Metals:** (all: Al, As, Cd, Hg, Pb) MAX less than > 3PPM

**Microbial and Mold:** NEG: <10cfu/g

**Very safe for ingestion and handling — GRAS Certified**

**BULK: General Description:** Non-hazardous, consumable health-food product as granular food-grade crystals

**99.85% pure DMSO2 (dry flake crystals) + 0.15% moisture (0.15/25% trace Dimethylsulfoxide1 (non-hazardous); balance water**

**Veg. Capsules:** Capsule filled with pure organic sulfur (as above); fill weight: 0.985 – 1.04 g in 100% in clear vegetarian capsule.

**HMIS / NFPA Ratings:**

- Health 0 — Fire >1 — Reactivity 0
- Throat and Eye Irritant: Very Minor/Low (fine dust) and Non-hazardous. If irritated rinse with clean water.
- Skin Contact: Non Irritant and Non-hazardous

**Ingestion:** edible, non-perishable, non-hazardous, non-toxic, Less than 3 pp/billion metals

**Hazards:** Very Low - as combustible only from dust air mixtures in closed areas: extinguishing media regular foam/water/regular dry chemical

**Spill Cleaning:** non-hazardous — household standards - sweep or vacuum — non-toxic material — dispose in household standard container

**Transport Dangerous Goods:** Not Dangerous — Not Regulated — Non-perishable food product

**Workplace hazards:** Not Regulated — No Known Hazards

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**LEGAL DECLARATION:** The undersigned guarantees the Certificate of Origin, the MSDS and Certificate of Analysis are accurate transcriptions of the original independent reports held on file. The Methylsulfonylmethane (DMSO2) offered and shipped by this company complies with all the requirements of the Pharmacopeia/National Formulary (US & Canada) and is manufactured and packaged in the USA and Canada (North American source) in a government inspected and approved facility in full compliance with the FDA (US) and Canada Health and Welfare (Canada) and the Safe Site Health Products Standards (Canada) as defined by the respective governments and agencies in accordance with EU article 2.2 and Article 2.5 and all related directives. It is both Kosher and Halal Certified by the respective governing religious councils, and is GRAS (Generally Recognized and Safe) and non-GMO in all aspects. Analysis is by independent third-party. Inspections are by government authorized inspectors. Premises are government approved and this company operates in accordance with all health and product safety standards as outlined under Health Standards Health Packaging Certification, Site License, Canada.

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Richard Clark, Director 01 Nov 2015

NHOSP Ltd.
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