

Nutrition 21's Nitric Oxide Boosting Ingredient Nitrosigine® is Now Fueling Black Onyx Shatter Neuro N.O. from MuscleTech™

PURCHASE, NEW YORK – September 18, 2018 – Nutrition 21, LLC (“**Nutrition 21**”), has announced that its clinically substantiated ingredient, Nitrosigine®, is now featured in Black Onyx Shatter Neuro N.O. from MuscleTech™, a pre-workout supplement that offers superior pumps and the ultimate neurosensory workout experience.

Nitrosigine, a patented dietary complex of bonded arginine silicate stabilized with inositol, is a uniquely versatile ingredient with clinically substantiated results that adds a wide array of benefits to MuscleTech's Black Onyx Shatter Neuro N.O. Several studies have shown that Nitrosigine clinically enhances levels of both arginine and nitric oxide in the blood and is a more bioavailable form of arginine. Additionally, recent clinical data on Nitrosigine has provided groundbreaking evidence demonstrating the ingredient's power to enhance mental flexibility, processing speed, executive functioning, mental focus and acuity.

Nitrosigine's clinical evidence supports increased, long-lasting, fast-acting and enhanced performance, providing sports nutrition products a competitive edge. “Nutrition 21 is proud to have Nitrosigine featured prominently and at a clinical dose in several MuscleTech products. MuscleTech's Black Onyx Shatter Neuro N.O. is yet another premiere pre-workout product from MuscleTech that can help consumers leverage Nitrosigine to get the most out of their workouts” said Nutrition 21's Vice President of Sales, Todd Spear.

“Whatever your workout goal is – be it building muscle and strength, improving your fitness goals, losing weight, or enhancing your performance ability – MuscleTech has a product for you, and Black Onyx Shatter Neuro N.O. is yet another high-quality pre-workout product from MuscleTech that can help consumers achieve their goals,” remarked Raza Bashir, Vice President of Scientific Affairs, Innovation & Procurement at Iovate Health Sciences International, the parent company of the MuscleTech brand. “We are excited to feature Nitrosigine in Black Onyx Shatter Neuro N.O. not only because of the well-known benefits Nitrosigine brings in boosting nitric oxide, but also because it's backed by multiple clinical studies supporting its benefits to athletes.”

Consumer benefits shown to be directly linked to Nitrosigine supplementation include:

- Boosts key factors for increasing blood flow[^]
- Significantly improves mental acuity and processing speed by 33% within 15 minutes
- Increases muscle volume[^]
- Reduces muscle damage from exercise
- Increases energy quickly and safely
- Provides a safe, bioavailable source of arginine and silicon
- Significantly increases silicon levels for up to 1.5 hours
- Significantly enhances blood arginine levels for up to 6 hours[^]

[^]Results compared to baseline

About Nitrosigine®

Nitrosigine is a patented complex of bonded arginine silicate with FDA New Dietary Ingredient (NDI) notification status and has been self-affirmed Generally Recognized As Safe (GRAS) at the level of 1,500 mg per day for use in nutritional bars and beverages. Nitrosigine is scientifically engineered to boost nitric oxide levels, which have been shown to be a key factor in generating greater blood flow and vasodilation in working muscles. The unique Nitrosigine complex bonds arginine and silicate – unlocking powerful synergistic effects that offer enhanced benefits. Nitrosigine is a safe, non-stimulant, effective ingredient that is easy to formulate into new and existing products for sports nutrition, men's health and cardiovascular health.

For more information, please visit: www.Nitrosigine.com

About Nutrition 21, LLC

Nutrition 21, a wholly owned subsidiary of JDS Therapeutics, is an industry-leading developer and marketer of efficacious, high-value, clinically substantiated ingredients for use in dietary supplements, medical foods, and beverages. With over 30 years of biotechnology and pharmaceutical experience, the company's scientific platform

Nutrition21

Ingredients. Science. Innovation.

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has continued to create unique, patented products that are both safe and clinically effective. To build consumer trust, Nutrition 21 ensures product efficacy and safety through a product development strategy that involves rigorous preclinical and clinical research. The company currently holds over 100 domestic and international issued and pending patents for its ingredients which support unique claims associated with glucose metabolism, weight management, cognition, and sports nutrition, among others.

Nutrition 21's branded ingredients include Velositol®, a dietary complex of amylopectin and chromium clinically shown to double the effects of whey protein and significantly increase muscle protein synthesis, the key to muscle growth, Nitrosigine®, a bonded arginine silicate clinically shown to significantly boost nitric oxide levels, supporting mental acuity, focus and sports nutrition, and Chromax®, a patented form of chromium picolinate that supports clinically substantiated benefits including glucose metabolism, weight management, and brain health.

For more information, please visit: www.Nutrition21.com

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