
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) **March 20, 2018**

LEXARIA BIOSCIENCE CORP.

(Exact name of registrant as specified in its charter)

Nevada
(State or other jurisdiction of
incorporation)

000-52138
(Commission File Number)

20-2000871
(IRS Employer
Identification No.)

156 Valleyview Road, Kelowna, BC Canada
(Address of principal executive offices)

V1X 3M4
(Zip Code)

Registrant's telephone number, including area code **(250) 765-6424**

N/A
(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- [] Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- [] Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- [] Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- [] Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company []

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. []

Item 7.01 Regulation FD Disclosure

A copy of the news release announcing that Lexaria has filed a new patent application with the United States Patent and Trademark Office is filed as exhibit 99.1 to this current report and is hereby incorporated by reference.

A copy of the news release announcing that Lexaria has received a new Notice of Allowance from the United States Patent and Trademark Office is filed as exhibit 99.2 to this current report and is hereby incorporated by reference.

Item 9.01 Financial Statements and Exhibits

[99.1 Press Release dated March 20, 2018](#)

[99.2 Press Release dated March 22, 2018](#)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

LEXARIA BIOSCIENCE CORP.

/s/ Chris Bunka

Chris Bunka

CEO, Principal Executive Officer

Date: March 22, 2018

Lexaria Files New Patent Application for Enhanced Transdermal Delivery System

Kelowna, British Columbia – March 20, 2018 – Lexaria Bioscience Corp. (OTCQX: LXRP) (CSE: LXX) (the “Company” or “Lexaria”), a drug delivery platform innovator, is pleased to announce it has filed a new patent application with the United States Patent and Trademark Office (“USPTO”) for use of DehydraTECH™ to improve the speed and quantity of absorption of active pharmaceutical ingredients (“API”) through the skin.

The patent application follows the recently announced successful laboratory evaluation of DehydraTECH™ in the transdermal delivery of cannabidiol (“CBD”) that showed as much as a 225% increase in CBD permeability compared to control formulations tested with leading commercial penetration enhancers; and almost a 1,900% increase in CBD permeability compared to a control formulation that was devoid of both the DehydraTECH™ technology or any commercial penetration enhancers. The original research protocols were overseen by Lexaria President John Docherty and represent a unique, new and improved method of transdermal delivery for cannabinoids and potentially many other active ingredients.

In the patent application, Lexaria has applied for patent protection for the delivery of all of the active ingredient classes already identified in its other issued and pending patent applications including cannabinoids, terpenes and terpenoids, NSAIDs, vitamins, nicotine and phosphodiesterase inhibitors, as well as a broad range of additional active ingredients commonly found in topical products today that may benefit from enhanced skin permeability performance in concert with the DehydraTECH™ technology.

The Company believes that its DehydraTECH™ technology could drive significant innovation and improvement for the delivery of active ingredients through topical products, transdermal patches, cosmetics and many other skin-oriented consumer product formats. Lexaria will initiate third-party licensing discussions for this new transdermal application of DehydraTECH™ as soon as possible.

Lexaria’s patented DehydraTECH™ technology is focused on improved delivery methodologies of many commonly used API substances. As such, it provides an additional layer of effectiveness that is designed to harmonize with the intellectual property of third parties. Both patented and generic API substances can utilize Lexaria’s patented technology. Lexaria’s long term strategy is to partner with the world’s leading firms as they deliver best-of-class products to their existing large consumer groups.

About Lexaria

Lexaria Bioscience Corp. has developed and out-licenses its disruptive delivery technology that promotes healthier ingestion methods, lower overall dosing and higher effectiveness of lipophilic active molecules. Lexaria has multiple patents pending in over 40 countries around the world and has patents granted in the USA and in Australia for utilization of its DehydraTECH™ delivery technology. Lexaria's technology provides increases in intestinal absorption rates; more rapid delivery to the bloodstream; and important taste-masking benefits, for orally administered bioactive molecules including cannabinoids, vitamins, non-steroidal anti-inflammatory drugs (NSAIDs), nicotine and other molecules. www.lexariabioscience.com



For regular updates, connect with Lexaria on Twitter (<https://twitter.com/lexariacorp>)



and on Facebook <http://tinyurl.com/y8vzcaam>

FOR FURTHER INFORMATION PLEASE CONTACT:

Lexaria Bioscience Corp.
Alex Blanchard, Communications Manager
(778) 796-1897

Or

NetworkNewsWire (NNW)
www.NetworkNewsWire.com

FORWARD-LOOKING STATEMENTS

This release includes forward-looking statements. Statements which are not historical facts are forward-looking statements. The Company makes forward-looking public statements concerning its expected future financial position, results of operations, cash flows, financing plans, business strategy, products and services, competitive positions, growth opportunities, plans and objectives of management for future operations, including statements that include words such as "anticipate," "if," "believe," "plan," "estimate," "expect," "intend," "may," "could," "should," "will," and other similar expressions are forward-looking statements, including but not limited to: that any additional patent protection will be realized or that patent achievements will deliver material results. Such forward-looking statements are estimates reflecting the Company's best judgment based upon current information and involve a number of risks and uncertainties, and there can be no assurance that other factors will not affect the accuracy of such forward-looking statements. Factors which could cause actual results to differ materially from those estimated by the Company include, but are not limited to, government regulation, managing and maintaining growth, the effect of adverse publicity, litigation, competition, scientific discovery, the patent application and approval process and other factors which may be identified from time to time in the Company's public announcements and filings. There is no assurance that existing capital is sufficient for the Company's needs or that it will be able to raise additional capital. There is no assurance the Company will be capable of developing, marketing, licensing, or selling edible products containing cannabinoids or any other active ingredient. There is no assurance that any planned corporate activity, scientific research or study, business venture, technology licensing pursuit, patent application or allowance, consumer study, or any initiative will be pursued, or if pursued, will be successful. There is no assurance that any of Lexaria's postulated uses, benefits, or advantages for the patented and patent-pending technology will in fact be realized in any manner or in any part. No statement herein has been evaluated by the Food and Drug Administration (FDA). Lexaria-associated products are not intended to diagnose, treat, cure or prevent any disease.

The CSE has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.

Lexaria Bioscience Corp. Receives New U.S. Patent Allowance for “Composition of Matter” Cannabinoid Delivery

Kelowna, British Columbia – March 22, 2018 – Lexaria Bioscience Corp. (OTCQX: LXRP) (CSE: LXX) (the “Company” or “Lexaria”), a drug delivery platform innovator, announces it has received a new Notice of Allowance from the United States Patent and Trademark Office (“USPTO”) providing for “composition of matter” claims that protect the specific combination of substances which enable improved taste and bioabsorption properties of its DehydraTECH™ technology for the delivery of cannabinoids. This is a significant addition to Lexaria’s existing manufacturing “method of use” patent rights previously granted.

“This Notice of Allowance applies to the delivery of both psychoactive and non-psychoactive cannabinoids as lipophilic active agents formulated together with the edible fatty acids that enable the powerful bioavailability and taste enhancing properties of the DehydraTECH™ technology,” said John Docherty, President. “This allowance has been granted by the USPTO upon review of the compelling scientific data Lexaria has amassed demonstrating its significant bioavailability performance enhancement properties.”

Under USPTO practice, there is no opposition period between allowance and issuance. The patent application number is 15/225,802, “Food and Beverage Compositions Infused With Lipophilic Active Agents and Methods of Use Thereof”. As has been Lexaria’s experience in the past, the Company expects the formal granting of the new patent within roughly one hundred days or less.

Lexaria has additional patent applications that remain within the USPTO process, of both the composition of matter and process varieties. Lexaria will continue to develop and strengthen its patent portfolio in the USA, Canada, and internationally and expects further patent awards this year. As its patent portfolio increases, Lexaria will be better able to commercialize its technologies and defend its intellectual property.

Lexaria’s patented DehydraTECH™ technology is focused on improved delivery methodologies of many commonly used active pharmaceutical ingredient (“API”) substances. As such, it provides an additional layer of effectiveness that is designed to harmonize with the intellectual property of third parties. Both patented and generic API substances can utilize Lexaria’s patented technology. Lexaria’s long term strategy is to partner with the world’s leading firms as they deliver best-of-class products to their existing large consumer groups.

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For regular updates, connect with Lexaria on Twitter (<https://twitter.com/lexariacorp>)



and on Facebook <http://tinyurl.com/y8vzcaam>

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