

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 April 2025 (03.04.2025)



(10) International Publication Number
WO 2025/072525 A1

(51) International Patent Classification:

A61Q 5/00 (2006.01) A61K 8/362 (2006.01)
C11D 1/06 (2006.01) A61K 8/60 (2006.01)

SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(21) International Application Number:

PCT/US2024/048664

Published:

— with international search report (Art. 21(3))

(22) International Filing Date:

26 September 2024 (26.09.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/540,893 27 September 2023 (27.09.2023) US
63/695,192 16 September 2024 (16.09.2024) US

(71) Applicant: STEPAN COMPANY [US/US]; 1101 Skokie
Blvd., Northbrook, Illinois 60062 (US).

(72) Inventors: NIKOLOFF, Alexander; 831 Oxford Pl.,
Wheeling, Illinois 60090 (US). BAJRACHARYA, Cyril;
3420 N. Old Arlington Heights Rd., Unit 404, Arlington
Heights, Illinois 60004 (US). STROUT, Kelly; 1177 Stan-
ton Road, Lake Zurich, Illinois 60047 (US).

(74) Agent: GALLAGHER, Priscilla F.; McAndrews, Held &
Malloy, Ltd., 500 W. Madison St., 34th Floor, Chicago, Illi-
nois 60661 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: RHAMNOLIPIDS FOR SCALP HEALTH

(57) Abstract: Abstract The technology presented herein, in general, relates to the formulation of dandruff treatment compositions, and to the formulation and use of rhamnolipids in these compositions. More particularly, the present technology relates to a composi-
tions, and methods, for controlling, treating, or preventing dandruff in a subject afflicted with or susceptible to dandruff. The present
technology also relates to compositions, and methods, for treating an excess of a Malassezia species on mammalian skin.



WO 2025/072525 A1