

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
29 June 2023 (29.06.2023)



(10) International Publication Number
WO 2023/122657 A1

(51) International Patent Classification:

C09D 183/04 (2006.01) C08K 5/02 (2006.01)
C09D 183/08 (2006.01) C08K 5/5419 (2006.01)

(21) International Application Number:

PCT/US2022/082129

(22) International Filing Date:

21 December 2022 (21.12.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202111577722.X 22 December 2021 (22.12.2021) CN

(71) Applicants: ROHM AND HAAS ELECTRONIC

MATERIALS (SHANGHAI) LTD. [CN/CN]; No. 600,
Cailun Road, Zhangjiang Hi-Tech Park, Pudong New Dis-
trict, Shanghai, Shanghai 201203 (CN). ROHM AND
HAAS ELECTRONIC MATERIALS LLC [US/US];
455 Forest Street, Marlborough, Massachusetts 01752 (US).

(72) Inventors: QI, Xiaoman; No. 600, Cailun Road,

Zhangjiang Hi-Tech Park, Pudong New District, Shanghai,
Shanghai 201203 (CN). LYU, Jian; No. 600, Cailun Road,
Zhangjiang Hi-Tech Park, Pudong New District, Shanghai,
Shanghai 201203 (CN). SHIANG, Chen-Yang; No. 45 Hs-

ing Pont Rd., Taoyuan City, 330 (TW). MA, Xiaogang; No.
600, Cailun Road, Zhangjiang Hi-Tech Park, Pudong New
District, Shanghai, Shanghai 201203 (CN).

(74) Agent: MCKEE, Michael E.; LKGLOBAL, 7501 E. Mc-

Cormick Parkway, Suite 105 South, Scottsdale, AZ 85258
(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, 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, 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,

(54) Title: COATING COMPOSITION FOR SILICONIZATION APPLICATION

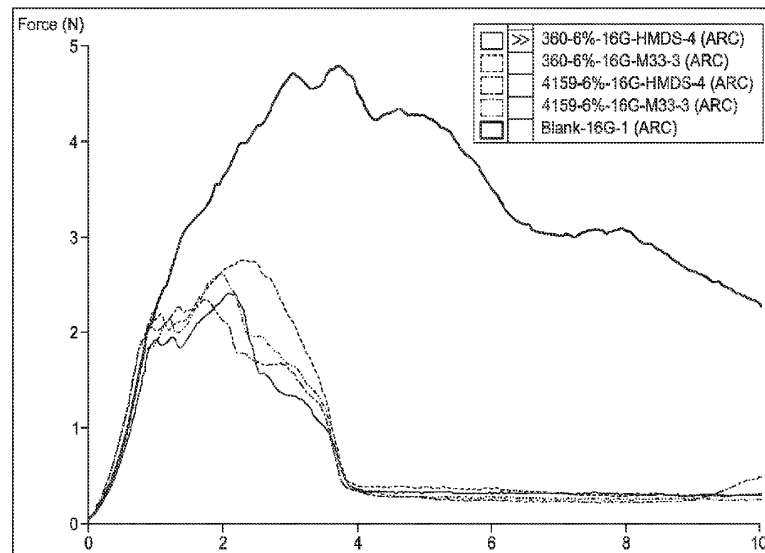


FIG. 1

(57) Abstract: Provided herein is an organic solvent to solve silicone polymer, to coat the silicone polymer on at least a portion of the surface of an article such as needles, syringes, stoppers and medicine bottles.

[Continued on next page]

LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI,
SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*