



July 29, 2022

PCN 2202-0010: Raw Material Change for MicroChem 101A Developer

Dear Valued Customer,

This letter serves to inform you of a raw material change to a product you purchase. Kayaku Advanced Materials, Inc (KAM) was notified that a manufacturer of our surfactant raw material declared force majeure closing of their manufacturing facility. Products affected are the following:

MicroChem 101A Developer

KAM identified a replacement raw material and has qualified it as a replacement. All samples met CoA specifications. A data package is included as an Appendix to this letter.

This change is expected to take effect **September 2022** as KAM can no longer obtain the current surfactant raw material. Please note this date is subject to change based on order volumes.

KAM endeavors to make changes with as little disruption to our customers' processes as possible. Therefore, a copy of this notification should be forwarded to all personnel affected by this change within your organization as soon as possible.

Should you have any further questions or concerns, please do not hesitate to contact your sales representative, at +1 (617) 965-5511 or by email at sales@kayakuAM.com. Thank you for your understanding and we appreciate your business.

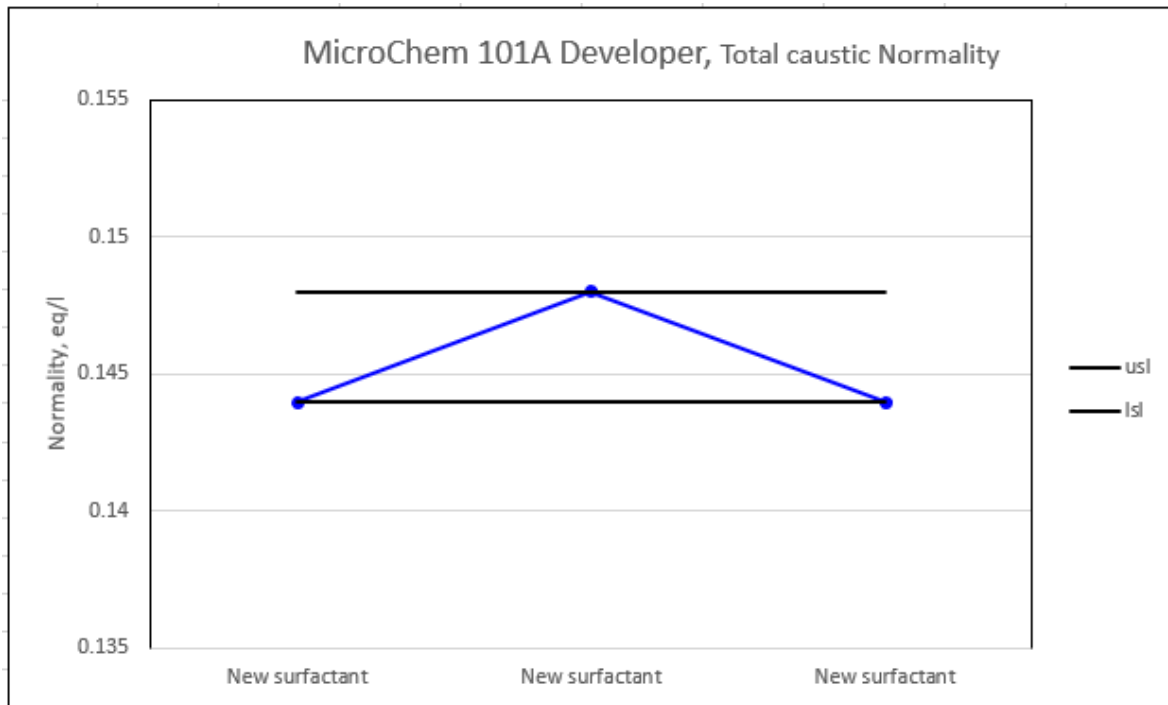
Regards—

Russell J Blake

Russ Blake,
Senior Quality Engineer

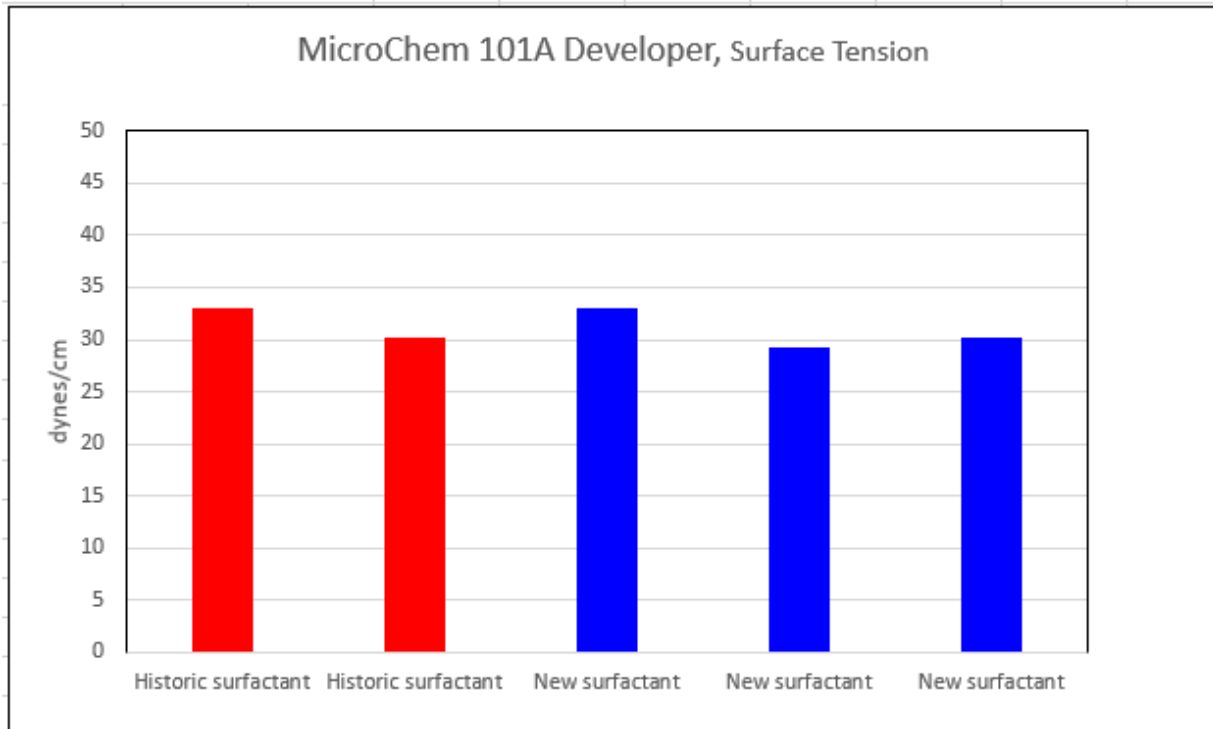
Appendix

1. Normality results of 3 samples made with the new surfactant



All samples meet the Normality specification.

2. Surface Tension comparison – New surfactant vs. current (historic) surfactant



The surface tension of the 101A Developer made with the historic surfactant and new surfactant is comparable.