

# TECHNICAL DATA SHEET

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**Product Name:** Trop Hopical™

**Product Code:** 46-341

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**Update Date:** September 2, 2016

## TECHNICAL INFORMATION

**Quality Attributes:** Hop extractives and other natural flavor substances in a propylene glycol solution.

**Appearance:** A clear to slightly hazy, colorless to pale yellow liquid. Contains no solids, and is pourable at room temperature.

**Aroma and Flavor:** The aroma is dry hop, fruity, citrus, slightly grapefruit, reminiscent of American IPA.

**Shelf Life:** We recommend dry warehousing in full, tightly sealed containers at temperatures below 10°C. Shelf life under these conditions is one year from date of manufacture.

**Uses:** Adds hop aroma and flavor when added post fermentation to beer.

**Replacement/Usage Level:** Typical usage level 0.02 – 0.10% by weight (25 – 100g/bbl) in the final product. Depending on the application, the amount may vary.

**GM Status:** This product does not contain ingredients from genetically modified source materials and, where appropriate, ingredients are traceable back to origin with an Identity Preserved system.

**Additional Assistance:** For additional assistance on the qualification of Kalsec® products, such as supplier and product questionnaires, allergen declarations, nutritional, labeling, ingredient range declarations (component range breakdowns) and other documentation in support of your approval of Kalsec® products, please contact the Kalsec® Regulatory Affairs team at [regulatoryaffairs@kalsec.com](mailto:regulatoryaffairs@kalsec.com).

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