



MASTERTECH BULLETIN

(Revised 03/7/18)

NATURALENE™

CITRUS BASED LIGHTLY SCENTED CLEARING AGENT

NATURALENE™, THE PRODUCT AND ITS PURPOSE:

NATURALENE™ is formulated using readily biodegradable, low-hazard materials. While it has an organic citrus base, we have eliminated 50% of the citrus scent associated with most Xylene substitutes. **NATURALENE™** is less oily than many other Xylene substitutes and also has a higher evaporation rate which allows mounting mediums to dry faster. With a flash point above 140°F, **NATURALENE™** is safe to use in all tissue processors. **NATURALENE™** won't shrink, over harden, or make tissue brittle, even after prolonged periods of immersion. Cellular morphology and background structure is rendered in fine detail. Special and routine histochemical stains will demonstrate superior color and clarity. **NATURALENE™** enables the histotechnologist to cut thin tissue sections, resulting in top quality histology slides. **NATURALENE™** is a superior Xylene alternative that is safe, economical, and beneficial.

NATURALENE™, INSTRUCTIONS FOR USE:

As with all Xylene substitutes, **NATURALENE™** will require some small adjustments when performing Histology procedures. The procedural changes are small and few, but will result in a healthier work environment for all. When processing tissue in a tissue processor, use two changes of **NATURALENE™**, at least one hour each. Rotate and change the last alcohol in the tissue processor often, to insure no water carry over which may result in incomplete clearing. We recommend using Xylene to flush paraffin lines in Automated Tissue Processors, as most paraffins contain complex plasticizers that only Xylene can completely remove. Compared to Xylene, complete slide deparaffinization may take slightly longer with **NATURALENE™**. When deparaffinizing, place slides directly into **NATURALENE™** from the oven. In most cases two changes of **NATURALENE™** at 5 minutes each will provide complete deparaffinization. Rotate and replace the last alcohol in your staining station often! This will help eliminate water carryover which can result in "cloudy slides". Most mounting mediums are compatible with **NATURALENE™**. To insure mounting medium compatibility, simply immerse a blank slide in **NATURALENE™** and coverslip with the mounting medium to be tested. If haziness develops, test a different mounting medium. **CLEARMOUNT™** Mounting Medium, from American MasterTech Scientific Inc., is compatible with virtually all clearing agents and sets in just 5 minutes!

NATURALENE™, STABILITY:

Shelf life of **NATURALENE™** is 2 years. Keep container tightly closed and store it in a cool, dry location.

NATURALENE™, PRECAUTIONS:

NATURALENE™ is considered non-toxic, low-hazard, non-carcinogenic, non-corrosive, non-dermatologic, and non-polluting. The safe use of this product requires eye protection, lab coat, gloves, and good ventilation. Always store this product away from heat, spark, or flame.

NATURALENE™, DISPOSAL:

There are no E.P.A., O.S.H.A., F.D.A., or D.O.T. restrictions on this product when used as directed. Consult local water authorities for regulations in your area.

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