Picric Acid Informational Memo

NEWCOMER SUPPLY PRODUCTS CONTAINING PICRIC ACID:

- Bouin Fluid
- Bouin Fluid Vial
- Hollande Fixative
- Picric Acid-Acetone 0.1%
- Picric Acid-Acetone 0.05%
- Picric Acid, Saturated Aqueous
- Picric Acid, Saturated Alcoholic
- Van Gieson Stain
- Zamboni Fixative
- Elastic, Verhoeff Stain Kit (Soln E)
- Gram, Brown-Brenn Modified Stain Kit (Soln E)
- Gram, Brown-Hopps Stain Kit (Soln E)
- Trichrome, Gamori One-Step, Fast Green Stain Kit (Soln A)
- Trichrome, Gamori One-Step, Aniline Blue Stain Kit (Soln A)
- Trichrome, Masson, Aniline Blue Stain Kit (Soln A)
- Trichrome, Masson, Fast Green Stain Kit (Soln A)

APPLICATION:

Picric Acid, also known as 2,4,6-Trinitrophenol, Carbazotic Acid, Phenol Trinitrate and Picronitric Acid, is used in tissue fixative solutions and is a component of several special stain procedures.

Picric Acid can be safely handled when hydrated and maintained and stored in at least a 30% aqueous solution. A potential explosion hazard occurs with Picric Acid when the chemical is in a dehydrated or dry form, when it is heated or in contact with metals or metallic salts.

1. Avoid disposing Picric Acid solutions down the drain or sanitary sewer.
2. Collect Picric Acid waste solutions in an appropriate and specifically labeled leak-proof container for proper disposal.
   a. Do not use metal containers or containers with a metal cap or lid.
3. Thoroughly wash all Picric Acid fixed tissues (Bouin Fluid and Hollande Fixative) before placing on a tissue processor to avoid any residual Picric Acid entering the processing system.
   a. Extended washing of tissue in running tap water followed by 15 minute minimum wash in 70% ethyl alcohol (Part 10844) is recommended.

Picric Acid is considered a toxic health hazard and all personal protection precautions should be implemented when handling. Safety risks associated with Picric Acid are outlined in the SDS and should be evaluated by the user. Dispose of Picric Acid solutions in a safe manner to comply with local, state and federal regulations.

REFERENCES: