VILELLA’S REAGENT

USES: REVEALS AUSTENITE BOUNDARIES in QUENCHED & TEMPERED STEELS, ETCHES Fe-Cr, Fe-Cr-Ni, Fe-Cr-Mn, and Cr-Ni AUSTENITIC STEELS
Immerse sample 5 - 20 sec.

INGREDIENTS: PICRIC ACID
HYDROCHLORIC ACID
ETHANOL

PROCEDURE: To 950 ml of ETHANOL add 10gm of PICRIC ACID and 50 ml of HYDROCHLORIC ACID
ACIDS MUST BE ADDED LAST (Note 1)

PERSONAL PROTECTION
Wear ACID RESISTANT GLOVES and SAFETY GLASSES and LABORATORY COAT

HAZARDS:

Note 1 DANGER of VIOLENT Reaction if ACIDS are not ADDED LAST

Picric Acid Extremely irritating to eyes.
Causes irritation and discolouration to skin and may result in dermatitis.
Dangerous explosive when dry or on heating.

Hydrochloric Acid Liquid causes severe burns to eyes and will irritate and burn skin.
Fumes irritate eyes and breathing passages.

Ethanol Highly flammable.
Can cause drowsiness, dizziness, headaches and irritation to skin.

For further detailed safety information refer:
MATERIAL SAFETY DATA SHEETS & SAFETY MANUAL

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