

Iodine Tincture

Learn how to make tincture of iodine.

Materials

Iodine (item #868982)
Potassium Iodide (item #883789)
Distilled Water (item #858621)
Ethanol, 95% (item #861283)
Mortar and Pestle (item #742892)
Stir Bar
Magnetic Stir Plate (item #701023)
Erlenmeyer Flask, 1,000-mL (item #731031)
Graduated Cylinder (item #721744)
Label

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Item Numbers

869123, 869121

Procedure

1. Dissolve 70 g of iodine and 50 g of potassium iodide in 50 mL of distilled water.
2. Dilute to 1 L with 95% ethanol.

Notes

- At high concentrations iodine is extremely harmful. Do not ingest and be extremely cautious during usage.

Label Information

Iodine Tincture

Caution: Substance is highly flammable

Date Prepared: _____

Initials of Preparer: _____

Health Risk: 2

Flammability: 3

Reactivity: 2

Applications

Tincture of iodine is used as an antiseptic and pre-skin care during operations in lieu of rubbing alcohol.

Reference

Brandwein, P. F., and E. Morholt. 1986. *A sourcebook for the biological sciences*, 3rd ed. Orlando, FL: Harcourt Brace Jovanovich, 1986, p. 743.