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Melting Mole Dollars

Catalog No. AP8678

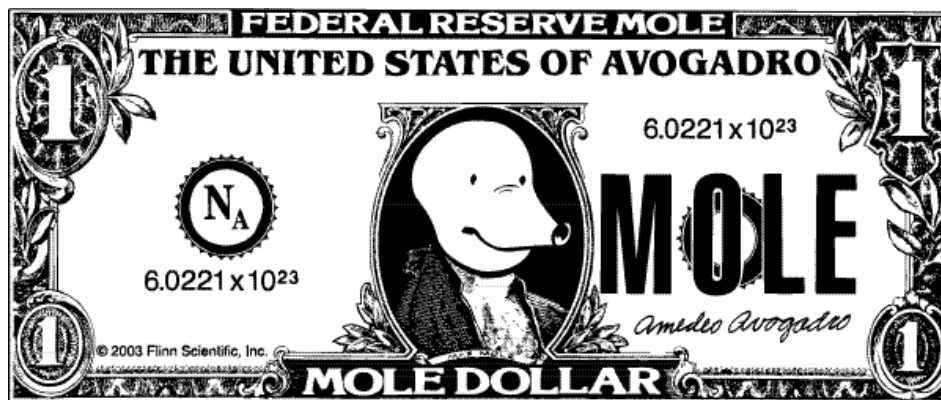
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Introduction

Just drop the mole dollar in water and watch it disappear! Melting Mole Dollars are guaranteed to keep your assets very, very liquid! Perfect for deficit spending! Learn about water-soluble paper as Avogadro's mole dollar disappears in water.

Concepts

- Solubility



Materials

Melting Mole Dollars

Container of water

Safety Precautions

Dissolvo® is non-toxic; however do not ingest. Follow all normal laboratory guidelines.

Procedure

Place a Melting Mole Dollar in water and watch as it dissolves.

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Discussion

Melting Mole Dollars are printed on water-soluble paper called Dissolvo[®]. Dissolvo[®] looks, feels and tears like ordinary paper. You can write and even photocopy on it.

Dissolvo[®] is 80% carboxymethyl cellulose and 20% wood pulp fibers. Carboxymethyl cellulose is a semisynthetic water soluble polymer with a molecular weight range of 21,000 to 50,000. It is most commonly available as a sodium salt with the formula R_nOCH_2COONa .

Water-soluble paper has been used by the government for confidential and classified documents. Other uses include dissolvable labels, protecting painting areas of automobiles during production, as a component in leak detection systems for NASA booster rockets, and of course, Melting Mole Dollars.

Disposal

Rinse the water containing the dissolved Melting Mole Dollars down the drain according to Flinn Suggested Disposal Method #26b.

Reference

Gilbreth International Corporation's literature on Dissolvo[®].

Melting Mole Dollars are available from Flinn Scientific, Inc.

Catalog No.	Description	Price/Each
AP8678	Melting Mole Dollars	Consult Your Current <i>Flinn Catalog/Reference Manual</i> .