

DEUTERIUM OXIDE

Bulk Product Information

Deuterium Oxide Delivered!

Isowater has the world's largest supply of deuterium oxide (heavy water) available for sale to industry outside of the traditional nuclear market.

Isowater is working with Atomic Energy of Canada Limited (AECL) to advance deuterium oxide (heavy water) technology and sales. The two firms have been collaborating since 2009 demonstrating deuterium oxide technology and selling deuterium oxide to the growing number of users in the high tech, life science and environmental sectors. This collaboration enables Isowater to market and sell existing deuterium oxide inventories while advancing new technologies designed to recycle and upgrade deuterium oxide.

Isowater Corporation is a global supplier of bulk deuterium oxide (99.9%) and custom solutions for deuterium gas management systems.

To make a bulk deuterium oxide purchase (one barrel or more), please contact us at sales@isowater.com or 705-293-1106 x23.



PRODUCT SPECIFICATION CRITERIA		
PARAMETER	SPECIFICATION	UNITS
Deuterium Oxide 99.9%		
Isotopic Concentration	99.9	% deuterium
Tritium	<2	µCi/kg D ₂ O

PHYSICAL AND CHEMICAL PROPERTIES OF DEUTERIUM OXIDE	
Physical State & Appearance	Liquid
Odor	Odorless
Taste	Tasteless
Molecular weight	20.027 g/mole
Color	Clear, colorless
pH (1% solution in water)	7.4-7.7
Boiling Point	101.4 °C
Melting Point	3.8 °C
Specific Gravity	1.106 @ 25 °C (Water=1.0000)
Odor Threshold	Odorless, no threshold available
Solubility	Completely miscible with water or aqueous solutions

Reliable Supply of Deuterium Based Products

Isowater Corporation is a Canadian company that provides a reliable supply of hydrogen isotopes to global markets. Our products are deuterium oxide (heavy water) in the quantity and concentration needed as well as deuterium gas systems (heavy hydrogen gas) for a number of applications including: Pharmaceutical, Diagnostics, Hydrology, Fibre Optics, Electronics and Scientific Research and Manufacturing.

