

# Preparation of Bromine

Suggested method. Place 206 g of sodium bromide, 87 g of manganese dioxide and ca 200 ml (excess) of concentrated sulfuric acid in a large round-bottomed flask (ca 500 ml). Connected to a distillation apparatus with a 100 ml receiver. Distill at about 60°-100°C.

The product may be contaminated with sulfur dioxide and sulfur trioxide as well as hydrogen bromide. The excess of sulfuric acid used should minimize contamination with water. Theoretically the yield of bromine should be about 81 g, 26 ml. Purification could be carried out by redistilling over calcium oxide.