



Industrial Poisons Used or Produced in the Manufacture of Explosives

By Alice Hamilton

Theclassics.us, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1917 edition. Excerpt: . PHYSIOLOGICAL ACTION OF POISONS. NITRATION. The process of nitration is essential for all the products which are covered by this investigation. In making of explosives it is necessary to provide oxygen in some easily available form to cause combustion of the substances which make up the explosive, and this is usually done by treating them with nitric acid in such a way that the group NO₂ enters into combination, the oxygen of which is readily given up. Because all these explosives are nitrated compounds the most common form of poisoning in the industry is that from nitrogen oxide fumes--usually called nitrous fumes--which are given off more or less in all nitration processes. The higher the nitration the greater the danger from fumes, unless great precautions are taken. The 1,300 to 1,400 men on our list who suffered from these fumes were employed in...



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