Antimony(III) Oxide, Puratronic®
Catalog Number: 010641

Description
Properties: White odorless powder
CAS No: 1309-64-4
EC No.: 215-175-0
Molecular formula: Sb$_2$O$_3$
Molecular weight: 291.50
Density: 5.67
Melting Point: 656°C
Boiling Point: 1550°C sublimes

Applications include synergist used with brominated flame retardants to increase the overall effectiveness of the flame retardant treatment, pigment, mordant, stabilizer, clarifying agent, opacifying agent for glasses, ceramics, and enamels, catalyst in the production of polyethylene terephthalate and the vulcanization of rubber, used in paints, adhesives, fluorescent tubes, computer and TV screens, and to make tartar emetic, stains for iron and copper, and phosphors.¹

Solubility
Slightly soluble in water (0.014g/l @ 30°C). Soluble in concentrated hydrochloric acid and sulfuric acid. Soluble in strong alkalies.²

References
1. chemtrac® online substance database (https://hub.chemtracglobal.com) 2Hawley’s Condensed Chemical Dictionary, Twelfth Edition
2. Hawley’s Condensed Chemical Dictionary, Twelfth Edition

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