

Antimony(III) Oxide (CAS 1309-64-4) Market Research Report 2024

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Abstracts

Antimony(III) Oxide (CAS 1309-64-4) Market Research Report 2024 presents comprehensive data on Antimony(III) Oxide (CAS 1309A64A4) markets globally and regionally (Europe, Asia, North America etc.)

The report includes Antimony(III) Oxide (CAS 1309A64A4) description, covers its application areas and related patterns. It overviews Antimony(III) Oxide (CAS 1309A64A4) market, names Antimony(III) Oxide (CAS 1309A64A4) producers and indicates its suppliers.

Besides, the report provides Antimony(III) Oxide (CAS 1309A64A4) prices in regional markets.

In addition to the above the report determines Antimony(III) Oxide (CAS 1309A64A4) consumers in the market.

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Antimony(III) Oxide (CAS 1309-64-4) Market Research Report 2024 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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About

Antimony(III) oxide (antimony trioxide, diantimony trioxide, dioxodistiboxane) is the most widely produced inorganic compound of antimony, with the formula O_3Sb_2 . Like most polymeric oxides, antimony trioxide dissolves in aqueous solutions only with hydrolysis.

Antimony trioxide can be found in nature as the minerals valentinite and senarmontite, or it can be human-made ??“ mainly from stibnite ores (antimony trisulfide) or as a by-product of lead smelting and production.

The key application of antimony trioxide is for flame retardants in combination with halogenated materials. To achieve the same amount of fire protection, only half as much halogen is needed in case the antimony synergist is included. Such flame retardants are found in electrical apparatus, textiles, leather, and coatings.

Antimony trioxide is a useful catalyst in the manufacture of polyethylene terephthalate (PET plastic). Antimony trioxide used for this purpose is usually of higher purity than the product used for glass or flame retardants. There are other choices that work better as catalysts, however, but they are prohibitively expensive.

Antimony oxide also finds application in the glass industry as a clarifying agent. The product is added during the meltdown process to remove any undesired bubbles, inclusions or color.

Because it is a white powder, antimony trioxide is often used as an opacifier for the porcelain and enamel industries. Antimony trioxide is also used as a chemical intermediate for the production of other antimony compounds. It is used as a phosphorescent agent in fluorescent light bulbs. The product is added to fluid lubricants to increase stability, as well as to molybdenum disulfide to decrease friction and wear.

China takes the lead in antimony trioxide production globally, although countries like the US, Mexico, South Africa, Bolivia, Russia, Europe and Japan also make it.

Antimony(III) oxide market is covered in the study Antimony(III) Oxide (CAS 1309-64-4) Market Research Report 2023. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks antimony(III) oxide market situation, names manufacturers, suppliers as well as users. The report also provides current antimony(III) oxide prices in the market.

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