



Technical Information

TMS[®]-P/Timonox White Star Antimony Trioxide

TMS[®]-P/Timonox White Star is a higher purity grade of antimony trioxide designed primarily for more critical flame retardant, ceramic pigment and glass applications. It is whiter in colour than TMS/Timonox Red star and contains lower levels of Lead (Pb) impurity.

Antimony Trioxide
CAS Reg. Number [1309-64-4]

Typical Properties

Appearance	Fine White Powder
Specific Gravity	5.5
Tinting Strength, %	100.0%
Fisher Number aps	1.0-1.5 µm
Sieve Residue < 325 mesh	99.995% MIN

Sb₂O₃

Typical Composition

Antimony Trioxide	99.5% MIN
Arsenic	0.25% MAX
Lead	0.07% MAX
Iron	0.003% MAX
Acidity (pH)	4 MIN 7 MAX

TMS[®]-P/Timonox White Star is processed to ensure that the level of colored and conducting particles is minimal and well below the industry standard for antimony trioxide. In rigid and plasticized PVC compounds, the addition of controlled amounts of TMS[®]-P/Timonox White Star will confer excellent flame retardant properties. In other plastics, paints, paper and textiles that do not contain halogen, a suitable chlorinated or brominated compound must be added to obtain the required flame retardant properties.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt. For additional handling and toxicological information, consult the GLCC Material Safety Data Sheet.

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