



TARGET ANTIMONY TRIOXIDE (Sb_2O_3)

Product Name: Antimony Trioxide

Chemical Name: Diantimony Trioxide

Chemical Formula: Sb_2O_3

Molecular Weight: 291.52 g/mol

HS Code: 2825.80.00

Physical & Chemical Properties

Property	Specification
Appearance	White crystalline powder
Odor	Odorless
Solubility	Insoluble in water
Density	5.2 – 5.7 g/cm ³
Melting Point	~656 °C
Boiling Point	Sublimes
pH (10% slurry)	3.5 – 5.0



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Typical Chemical Composition

Component	Specification
Sb_2O_3	$\geq 99.5 \%$
Arsenic (As)	$\leq 0.10 \%$
Lead (Pb)	$\leq 0.05 \%$
Iron (Fe)	$\leq 0.01 \%$
Sulphur (S)	$\leq 0.03 \%$
Moisture	$\leq 0.30 \%$

Applications

- Flame retardant synergist (plastics, rubbers)
- Masterbatch & polymer compounding
- Glass & ceramic industry
- Paints & coatings
- Textile flame retardants
- Antimony metal production



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Packaging

- 25 kg HDPE bags with inner liner
 - Jumbo bags available on request
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Storage & Handling

- Store in a cool, dry, well-ventilated area
- Avoid moisture and dust formation