

# CHEMIVERSAL PTE LTD

## NA-ANTIMONATE

## Technical Datasheet

**Product Information:** Sodium Antimonate is an inorganic antimony compound which provides high heat flame retardant properties in combination with low opacity and tinting strength in polymer.

Chemical Name	SODIUM ANTIMONATE		
Grade Name	NA-ANTIMONATE		
CAS No.	15432-85-6		
EINECS No.	239-444-7		
Molecular Formula	NaSbO <sub>3</sub>		
Synonyms	<ul style="list-style-type: none"><li>• SODIUM METAANTIMONATE</li><li>• TRISODIUM ANTIMONATE</li></ul>		
<b>TEST</b>	<b>SPECIFICATION</b>		<b>METHOD</b>
Appearance	White powder		Visual
Particle size (D50)	3-5 µm		Particle size analyser
Moisture Content (105°C at 4 hrs)	≤ 0.5%		Oven drying
Whiteness	≥ 93		Whiteness Meter
PbO	□0.05%		By AAS
As <sub>2</sub> O <sub>3</sub>	≤0.03%		By AAS
Fe <sub>2</sub> O <sub>3</sub>	≤0.03%		By AAS
Na <sub>2</sub> O	15.0±0.5%		By AAS
Sb	≥60.50%		By AAS
Sb <sub>2</sub> O <sub>5</sub>	≥80.35%		By AAS
Solubility at 25 °C	Solvent	Solubility ( gm/100ml )	Visual
	Alcohol	Insoluble	
	Water	Slightly soluble	

### Product Applications:

1. Sodium Antimonate is used for PBT, PET, ABS, fiber anti-flaming.
2. Sodium Antimonate is used as flame retardant and also used as catalyst of the polyethylene terephthalate resin.
3. Sodium Antimonate powder is used in the Glass Industry as a fining agent or degasser, especially in colour television bulbs and optical glass.

### Product Benefits:

1. Sodium Antimonate has major advantage in sensitive polymers such as polyethylene terephthalate where conventional antimony trioxide flame retardant synergists can promote depolymerization during processing.
2. It provides good flame retardant properties in combination with low opacity and tinting strength in polymer applications.

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3. It has heat and hydrolysis resistance of plastics.

**Product Dosage:** We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems.

Polymer Details	Suggested dosage
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**Product Handling & safety:**  
Please refer to our product MSDS for specific instructions on handling this product.

**Product Registration:**Sodium Antimonate is not recommended for food contact polymers.

Title:  
Chapter:  
Subchapter:  
Part:  
Subpart:  
Section:

**Product Disclaimer**  
**Important :** This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seler be liable for incidental, consequential or indirect damanges for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.