



PRODUCT DATA SHEET

TIN (Sn) SHOT



CHEMICAL SPECIFICATION in accordance with ASTM B339

Element	Grade A Tin%	Low-Lead Tin%	99.99 Tin
Tin (Sn)	99.85 min	99.90 min	99.99 min
Silver (Ag)	0.01	0.01	0.002
Cadmium (Cd)	0.001	0.001	0.002
Lead (Pb)	0.05	0.005	0.005
Copper (Cu)	0.04	0.04	0.002
Arsenic (As)	0.05	0.05	0.002
Iron (Fe)	0.01	0.01	0.002
Zinc (Zn)	0.005	0.005	0.002
Nickel (Ni)	0.005	0.005	0.002
Antimony (Sb)	0.04	0.04	0.005
Bismuth (Bi)	0.03	0.03	0.002
Cobalt (Co)	0.005	0.005	0.002

PHYSICAL PROPERTIES

Melting Temp (°F).....450
 Melting Temp (°C)232
 Density (lbs/in³)0.264
 Specific Gravity (g/m³)7.30
 Tensile Strength (tons./in.²)0.94
 Shape.....Tear-dropped

Limits are % max unless otherwise shown as range or stated otherwise..

Sizes Offered	Type	Lot Certified?
4 mesh x down	Cast	Yes
3 mesh (1/8") x down	Cast	Yes
Micro Shot (2mm x down)	Cast	Yes

Packaging

Pails: 50 lb, 100 lb, 250 lb. Standard color: White. Other colors offered (black, red, green)
 Drums: 500 lb Fiber, 500 lb metal, 250 kg metal, 1000 lb metal, 2000 lb metal
 Supersack: 500 lb., 1000 lb, 2000 lb

METALS USED

All metal used in production of this product is 100% virgin (not recycled) and conflict—free. A chemical analysis will be provided with each shipment.

APPLICATION

Nathan Trotter manufactured tin shot performs favorably as tin additions in Grey Iron foundry, Titanium, and super alloy processes. Nathan Trotter tin shot is also the shot of choice for catalyst and dissolution purposes in tin chemical processes.

**For Sales or Technical Assistance, contact Nathan Trotter & Co:
 Info@nathantritter.com or 610-524-1440**

NATHAN TROTTER & Co. Inc.
 241 West Stewart Huston Drive • Coatesville, PA. 19320

NATHAN TROTTER IS ISO 9001:2008 REGISTERED



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OTHER TIN SHOT-RELATED PRODUCTS SUPPLIED BY NATHAN TROTTER

Nathan Trotter manufactures other tin products to compliment and its tin shot. Other products commonly sold with tin shot:

Other Types of Shot	Size/Description	Packaging
Nickel	Nickel 1x1 Nickel 4x4 Nickel Pellets	50 lb box, 551 lb drum, 2204 lb crate
Tin Bar	1 lb finger bar 7 lb notch bar Sheared Ingot 60 lb Tin ingot	50 lb box, 500 lb drum, 2204 lb crate
Copper Chops	# 1 Heavy	50 lb pail, 5500lb drum, 2204 lb Super-sack
Antimony Shot	1/4" x down	50 lb pail, 500 lb drum, 2204 lb super-sack
Crushed Antimony	2mm x down	1000 lb drum; 2000 lb supersack
Bismuth Shot	1/8" x down	50 lb pail, 500 lb drum, 2204 lb super-sack

RECYCLING / RECLAIM

Tin Technology and Refining (www.tintech.com) is the recycling/reclaim division of Nathan Trotter. Tin Tech works in conjunction with Nathan Trotter customers to recycle tin drosses, melt out, residues, slag. Tin Tech operates as a permitted, environmentally responsible smelter with full reduction capabilities enabling optimal recoveries for all types of plating scrap material.

STORAGE, HANDLING, SHELF LIFE

Nathan Trotter Anodes have an indefinite shelf life when stored in a dry, non-corrosive environment. Bars/Ingots and packages should always be handled with care as material is naturally heavy.

HEALTH AND SAFETY

This product, during handling or use, may be hazardous to your health. Read the Safety Data Sheet (SDS) and warning label prior to use. SDS can be downloaded from our home page www.nathantrrotter.com

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