

**S50SP** is a coarse solid spherical carbon steel granular powder/ steel balls with particles of about 300 micron. Granules of S50SP have a narrow particle size distribution, so that most particles appear to be the same size. S50SP is often used as weight in some plastic and rubber products.



CAS No.: 7439-89-6  
EC No.: 231-096-4  
HTS No.: 7205.10.29

## TYPICAL PHYSICAL PROPERTIES

**Apparent Density** 2.8 to 3.2 g/cm<sup>3</sup>

## TYPICAL SCREEN ANALYSIS

### SIEVE ANALYSIS (ASTM E-11)

+60 Mesh  
50 -60 Mesh  
-45 Mesh

### Specification

Min	Max
97%	
55%	99%
97.0 %	

## TYPICAL CHEMICAL ANALYSIS

<b>Fe</b>	> 97 %
<b>C</b>	0.8 – 1.2 %
<b>O</b>	0.120 %
<b>S</b>	< 0.05 %
<b>P</b>	< 0.05 %
<b>Mn</b>	< 1.2 %
<b>Si</b>	> 0.4 %

## PACKAGING AND SHELF LIFE

S50SP is available in 55-lb (25 kg) plastic pails. Standard pallet quantity contains 20 pails on a pallet totaling 500 kg. The recommended shelf life of S50SP in sealed plastic pails is 6 years while stored in low light, dry, room temperature storage. 1-Lb and 5-Lb containers are also available for testing.

## TYPICAL APPLICATIONS

Applications of S50SP include:

Shotgun shells/Ammunition, weight bags, high precision masses, additive manufacturing, welding, resin casting, adding weight to plastic parts.

Other applications may include balancing weights, shot blasting, Concrete additive, and component of cold casting.

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## **USE RESTRICTIONS**

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S50SP is offered only for industrial and manufacturing uses. Prohibited applications include production of explosive targets, loose fill in toys and household goods.

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## **DISCLAIMERS**

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All information, recommendations and suggestions in this document are based on sources believed to be reliable; however, it is the user's responsibility to determine safety and suitability of this product in their own application.

CHEMICAL STORE INC DOES NOT ASSUME ANY LIABILITY FOR DAMAGES ARISING FROM THE USE OF THIS PRODUCT.

BUYERS MUST POSES THE NECESSARY KNOWLEDGE, TOOLS, SKILLS AND EXPERIENCE FOR TESTING, EVALUATION, QUALITY CONTROL AND SAFE USE OF THE PRODUCTS THEY PURCHASE.

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