

MATERIAL SAFETY DATA SHEET

IDENTITY – Carbon Steel Cut Wire Shot - Conditioned

SECTION I – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

		OSHA PEL		ACGIH TLV	%
Iron	7439-89-6	NL	mg/m ³	NL	97.4 min.
Carbon	7440-44-0	2.0		NL	0.45 - 0.85
Manganese	7439-96-5	1.0		5.0	0.30 – 1.30
Silicon	7440-21-3	1.0		15.0	0.15 – 0.35
Phosphorus	7723-14-0	0.1		NL	0.040 max.
Sulfur	7704-39-9	5.0		NL	0.050 max.

SECTION II – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	N/A
Vapor Pressure (mm Hg.):	N/A
Vapor Density (AIR = 1):	N/A
Solubility in Water:	Not Soluble
Specific Gravity (H ₂ O = 1):	7.8 g/cm ³
Melting Point:	1100°C
Evaporation Rate (Butyl Acetate = 1):	N/A
Appearance and Odor:	Grey in Color – No Odor

SECTION III – FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Flammable Limits:	N/A
LEL:	N/A
UEL:	N/A
Extinguishing Media:	N/A
Special Fire Fighting Procedures:	N/A
Unusual Fire and Explosion hazards:	N/A

SECTION IV – REACTIVITY DATA

Stability	<input type="checkbox"/> Unstable	<input checked="" type="checkbox"/> Stable
Conditions to Avoid:	N/A	
Incompatibility (<i>Materials to Avoid</i>):	N/A	
Hazardous Decomposition or Byproducts:	N/A	
Hazardous Polymerization	<input type="checkbox"/> May Occur	<input checked="" type="checkbox"/> Will Not Occur
Conditions to Avoid:	N/A	

SECTION V – HEALTH HAZARD DATA

Health Hazards (*Acute and Chronic*): Nuisance dust may be created when using this product even though carbon steel products in shot form are not considered a health hazard.

SECTION VI – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Shot presents a hazard underfoot because of its spherical shape. No special precautions need to be followed when cleaning up spills or leaks.

Waste Disposal Method: Spilled or spent shot can be reclaimed for reuse or disposed of as a non-hazardous waste.

Precautions to be taken in handling and storing: It should be pointed out that any residual from a blast cleaning or peening operation may contain contaminants from the object blasted.

Other Precautions: Approved NIOSH respirator should be used when sweeping up spills or dust or when the concentration of nuisance dust outside the machine exceeds 5mg/M³.

SECTION VII – CONTROL MEASURES

Respiratory Protection (*Specify Type*): Face mask approved by NIOSH

Ventilation

Local Exhaust:	To remove nuisance dust
Special:	N/A
Mechanical (<i>General</i>):	N/A
Other:	N/A

Protective gloves:	Not required
Eye Protection:	Safety glasses with side shields
Other Protective Clothing or Equipment:	Not required
Work / Hygienic Practices:	N/A