SAFETY DATA SHEET

Prepared in accordance with
OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Section 1. Product Information and Company Identification

Product:	Low Carbon Cast Steel Shot Bainite Cast Steel Shot
Product Use:	Steel Abrasive Blasting and Shot Peening
Company:	Metaltec Steel Abrasive Company 41155 Joy Road Canton, MI 48187 USA
Phone:	734-459-7900
Fax:	734-459-7907
Emergency Phone:	734-459-7900

Section 2. Hazards

As supplied, Cast Steel Shot will not burn or explode. The solid form of material is not combustible. Fire explosion hazards are moderate when material is in the form of dust and exposed to heat of flames, chemical reaction, or contact with powerful oxidizers.

Section 3. Chemical Composition

Element	Concentration	CAS
C	0.10-0.15%	7440-44-0
Mn	1.00-1.35%	7439-96-5
Si	0.10-0.25%	7440-21-3
Fe	>96.00%	1309-37-1
P	0.035% max	7723-14-0
S	0.035% max	7704-34-9

Section 4. First Aid Measures

Eye Contact:	Flush with running water to remove particles. Seek additional medical attention if necessary.
Skin Contact:	Brush off excess dust, wash area with soap and water.
Inhalation:	Remove to fresh air. Seek medical attention
Ingestion:	Seek medical help if large quantities of material have been ingested.

Section 5. Firefighting Measures

Cast Steel Shot will not burn or explode. The solid form of material is not combustible. Fire explosion hazards are moderate when material is in the form of dust and exposed to heat of flames, chemical reaction, or contact with powerful oxidizers.

Section 6. Accidental Release Measures

Cast Steel Shot spilled or leaked onto floors can cause hazardous walking conditions. Spills or leaks should be vacuumed or swept from working areas. When cleaning up large quantities of dust, a NIOSH approved respirator should be worn. Spilled Cast Steel Shot can be reused or disposed of as a non-hazardous waste. Collected dust from blast cleaning or shot peening operations always contain contaminants from the surface of the parts being processed, and therefore the dust may be classified as a hazardous waste and, as such, must be disposed of according to appropriate Local, State or Federal regulations.

Section 7. Handling and Storage

Store material away from incompatible materials and keep dust away from sources of ignition. Keep dry to reduce rusting. Observe maximum floor loading limitations.

Section 8. Exposure Controls/Personal Protection

Ventilation:	General and local exhaust ventilation should be provided.
Respiratory Protection:	NIOSH approved respirator should be worn.
Eye Protection:	Approved safety glasses with side shields should be worn at all times. Safety eyewash stations should be provided in close proximity to the work area.
Other Protection Equipment:	None required.

Section 9. Physical and Chemical Properties

Melting Point:	1371- 1482C	Vapor Pressure:	not applicable
Evaporation Rate:	not applicable	Vapor Density:	not applicable
Boiling Point:	2850 - 3150C	% Solid by Weight:	100%
Solubility in Water:	not applicable	pH:	not applicable
Flash Point:	not applicable	Auto Ignition Temp	930C
Appearance and Odor:	Steel shot is near spherical in shape and light gray to silver in color. Cast Steel Shot will not burn or explode		

Section 10. Stability and Reactivity

Under normal working conditions, the product is stable and does not present any danger for hazardous reactions to occur.

Section 11. Toxicological Information

Primary Routes of Entry: Inhalation of dust or fumes created during use, or dust particulate in eyes.

Overexposure to dust containing the component elements of cast steel shot may cause skin, nose, mouth, and eye irritation.

Section 12. Ecological Information

Hazardous Decomposition Products: None

Cast Steel Shot will wear away at a controlled rate through normal use.

Section 13. Disposal Considerations

Spilled Cast Steel Shot can be reused or disposed of as a non-hazardous waste. Collected dust from blast cleaning or shot peening operations always contain contaminants from the surface of the parts being processed, and therefore the dust may be classified as a hazardous waste and, as such, must be disposed of according to appropriate Local, State or Federal regulations.

Section 14. Transport Information

No special conditions apply.

Section 15. Regulatory Information

No regulations apply.

Section 16. Other Information

The company has no control over this product or its use after it leaves our facility. The Company assumes no liability for loss or damage from the proper or improper use of this product. The information presented here has been compiled from sources considered to be reliable and accurate to the best of our knowledge and belief, but is not guaranteed to be so.