Material Safety Data Sheet

FORD TOX #: 135423

Manufacturer's Name:	Metaltec Steel Abrasive Company
Address:	41155 Joy Road
City, State, ZIP	Canton, MI 48187
Telephone / Fax #:	(734) 459-7900 / (734) 459-7907
Emergency:	(734) 454-1840
Product Names:	Cast Steel Shot Low Carbon Cast Steel Shot
Chemical Family:	Ferrous
Signature:	January 1, 2009 Martin Schendel

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	% WEIGHT	OSHA TWA	ACGIH TWA
Iron	1309-37-1	>96	10 mg/m^3 (as nuisance dust)	5 mg/m^3
Manganese	74-39-96-5	0.60-0.90	5 mg/m^3	5 mg/m^3 C*
Carbon	7440-44-0	0.08-0.15	none est.	none est.
Silicon	7440-21-3	0.10-0.30	15 mg/m^3 (as nuisance dust)	10 mg/m^3

C* = ceiling limit, shall not be exceeded even for a short time.

SECTION III - PHYSICAL DATA

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
Appearance and Odor:	Steel shot is near spherical in shape and light gray to silver in color		

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: not applicable

Auto Ignition Temperature: (solid iron exposed to oxygen) 930C

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.

Fire Extinguishing Method: Use dry chemicals or sand to exclude air.

SECTION V – HEALTH HAZARD DATA

Threshold Limit: See Section II

Carcinogenicity: None of the ingredients listed by N.T.P., IARC or OSHA

Permissible Exposure Limit: See Section II

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.

EMERGENCY AND FIRST AID PROCEDURE

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 VI – REACTION DATA

Stability: Stable Hazardous Polymerization: will not occur

Hazardous Decomposition Products: None Cast Steel Shot will wear away at a controlled rate through normal use.

SECTION VII - SPILL AND LEAK PROCEDURE

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 an, as such, must be disposed of according to appropriate Local, State or Federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: General and local exhaust ventilation should be provided to keep the dust levels below TLV's shown in Section II.

Respiratory Protection:
If dust created by use exceeds the TLV's indicated in Section II, a 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 IX - SPECIAL PRECAUTIONS

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

Other Precautions:
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.