



GMA Industries  
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P.O. Box 74037  
Romulus, MI 48174-0037

EFFECTIVE DATE: 01-01-2009

## MATERIAL SAFETY DATA SHEET

### I. IDENTIFICATION

Product Name: NU-SOFT Steel Shot

Chemical Family: Low Carbon Steel

Formula: N/A

II. INGREDIENTS	CAS NO.	% W	ACGIH TLV	OSHA PEL	CARCINOGENIC
Iron - Fe	1309-37-1	>96.0	N/A	N/A	NO
Carbon - C	1333-86-4	<1.0	3.5 mg/m <sup>3</sup>	NL (2)	NO
Manganese - Mn	7439-96-5	<1.2	5	N/A	NO
Silicon - Si	7440-21-3	<1.5	10 (E)	15/NL	NO
All others (including Chromium and Nichol)		<0.4			
Chromium - Cr	7440-47-3	N/A	.5	1	NO
Nickel - Ni	7440-02-0	N/A	.05	1	NO

### III. PHYSICAL DATA

Vapor Pressure (mm Hg):	N/A
Solubility in Water:	N/A
Vapor Density (Air=1):	N/A
Specific Gravity (Water=1):	7.0
Evaporation Rate:	0
Percent Volatile (by volume %):	0
Boiling Point:	5432 <sup>0</sup> F
Appearance and Odor:	Near spherical or angular particles, no odor.

### IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint:	N/A
Extinguishing Media:	N/A
Flammable Limits:	None
Unusual Fire and Explosion Hazards:	Very fine dust can burn when exposed to flame.
Specific Fire Fighting Procedures:	Not combustible when used as an abrasive.

### V. REACTIVITY DATA

Stability:	Stable
Incompatibility:	Contact with acid released hydrogen.



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Hazardous Polymerization: Will not occur.  
Hazardous Decomposition Products: None  
Conditions to Avoid: Heat and fire when in dust form.

#### **VI. ENVIRONMENTAL INFORMATION**

Spill Response: Sweep from floor to prevent fall-type injuries.  
Recommended Disposal: Non-hazardous, comply with federal, state and local regulations for land fill methods.

#### **VII. HEALTH HAZARD DATA**

Eye Contact: Flush/wash eyes and consult physician.  
Skin Abrasion: Wash wound, disinfect, bandage, consult physician if serious.  
Inhalation: Move to fresh air, consult physician.  
Effects of Overexposure: Can cause eye infection if embedded in eye and not treated. Inhalation of dusts may lead to lung irritation.

#### **VIII. SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Single use respirator when inhaling fines.  
Ventilation: Local exhaust, adequate dust collecting system to remove suspended particulate from equipment and ambient environment.  
Protective Gloves: As required.  
Eye Protection: Safety goggles.  
Other Protective Equipment: As dictated by good judgment.

#### **IX. PRECAUTIONARY INFORMATION**

Precautions to be taken in handling and storing: None – other than watching floor loading and stacking practice due to high density of product.



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#### **DISCLAIMER**

The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied regarding accuracy or correctness. The conditions or methods of handling, storage use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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#### **Abbreviations**

CAS No.– Chemical Abstracts Service Registry Number

% W – Percent by weight

ACGIH TLV – American Conference of Governmental Industrial Hygienists Threshold Limit Values

OSHA PEL – Occupational Health and Safety Administration Permissible Exposure Limits

EPA – Environmental Protection Agency

DOT – Department of Transportation

TSCA – Toxic Substances Control Act

RCRA – Resource Conservation and Recovery Act

CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act

SARA – Superfund Amendments and Reauthorization Act

N/A - Not Applicable

N/D - Not Determined