

# Safety Data Sheet

Prepared in accordance with EU Directive 91/155/EEC



## Information on Product Safety: Steel Abrasive

Revision A; 12/26/2022

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### **1. Information regarding substances/preparation, the company/business:**

#### **1.1 The Substance**

Cast steel abrasive, shot (round) and/or grit (irregular), sorted according to international standards with letters and numbers which correspond with particle size and shape.

#### **1.2 The Company**

U.S. Metals, Inc.  
3180 South State Road 19  
Mentone, IN 46539

#### **Emergency phone/fax number**

Phone: (574)353-7711 Fax: (574)353-8158

### **2. Composition of substances:**

Composition: Cast steel

Chemical composition:

C	0.80 – 1.20%
Mn	0.35 – 1.20%
Si	0.40 – 1.50%
S	0.05% MAX
P	0.05% MAX

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## 3. Hazards:

These products are chemically inert and do not present any specific risk to people or the environment. These products do not contain any radioactive elements. The steel abrasive as such is not dangerous. Compounds, processing conditions and products that are created during blasting and other surface treatment methods can be hazardous. It must be absolutely ensured that the proper instructions have been issued and that all precautions for working with steel shot have been met.

## 4. First-aid measures:

Eyes	Wash eye out under clean running water. If some kind of foreign object has landed in the eyes, seek medical attention for removal.
Lungs	Get outside into fresh air. Remain calm and stay warm. Seek medical attention.
Skin	Wash thoroughly with soap and water. Seek medical attention.
Mouth	Rinse with clean water. Seek medical attention.

## 5. Fire-fighting strategies:

These products are non-flammable and do not react to the use of water or other materials used for extinguishing fire. Fine metal dust that is created as a waste stream and/or contaminants that are removed during the blasting process may pose a small risk of fire or explosion.

## 6. Accidental release measures:

Scrap and remnants can create slip-and-fall hazards. It is recommended to keep floors and work areas clean at all times. Disposing of and possible recycle of this product must be carried out in accordance with the usual and customary guidelines for all other types of metal products.

## 7. Handling and warehousing:

Special care must be exercised to prevent product leakage. Exercise extra caution when removing the tension straps that are part of wholesale pallet deliveries.

## 8. Application control/personal safety:

The nature of the personal protection required during blasting depends on the type of equipment used, and the person using the personal protection is responsible for determining the best possible protective clothing for the operator.

Respiration	Dust mask
Ventilation	L.E.V.
Gloves	Long-wearing and durable under industrial usage conditions.
Eye Protection	Protective goggles and/or mask.
Other Protective Measures	Protective work suits and work boots.

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## 9. Physical and chemical properties:

Non-flammable and inert (non-explosive)

Boiling Point	Approximately 3000 °C (~5400 °F)
Melting Point	Approximately 1500 °C (~2700 °F)
Sparking	Not Applicable
Spontaneous Combustion	Not Applicable
Vapor Pressure	Very low - not hazardous at room (ambient) temperature
Water Solubility	Very little danger of rust forming
Density	Approximately 7.8 g/cm <sup>3</sup>

## 10. Stability and reactivity:

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

## 11. Toxicological information:

No specific indications or counter indications.

## 12. Ecological information:

The product, as delivered, does not present any type of threat to the environment. If this product is exposed to atmospheric agents, however, there is the possibility that elements may be released that could be toxic. Use this product under the best possible working conditions and avoid releasing it into the environment. Make sure that any leftover contents are disposed of properly, including empty containers.

## 13. Disposal:

Disposing of and possible recycle of this product must be carried out in accordance with the usual and customary guidelines for all other types of metal products.

## 14. Transport:

There are no special conditions. The usual and customary procedures should be used.

## 15. Regulations:

No regulations apply.

## 16. Miscellaneous information:

This is our most up-to-date information. U.S. Metals, Inc. cannot be held responsible if the delivered products are used for purposes other than intended. No guarantee can be made regarding the absolute correctness of the values or information shown. This information relates only to the delivered steel shot in its original, unused state. U.S. Metals, Inc. accepts no responsibility or liability for changes in product features or classification for products that have already been used, or for products that have not been used in accordance with the relevant standards processes.