



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

1. Identification

Product Identifier:	Low Carbon Steel Shot
Trade Names:	RockRidge Low Carbon Steel Shot
Recommended Use:	Shot Blasting/Shot Peening
Sales and Technical Support:	RockRidge Abrasives 37 John Glenn Dr. Amherst, NY 14228

2. Hazard(s) Identifications

Classifications of the Substance or Mixture:

Classification according to Regulation (EC) No 1272/2008.
The product is not classified according to the CLP regulation.

Label Elements

Labelling according to Regulation (EC) No 1272/2008.

Hazard Pictograms	Void
Signal Word	Void
Hazard Statements	Void

Other Hazards

Results of PBT and vPvB assessment
PBT : Not applicable
vPvB : Not applicable



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

3. Composition/Information on Ingredients

Chemical Name	CAS No	%	GHS-US Classification
Carbon	7440-44-0	0.10-0.15	Substance with a community workplace exposure limit.
Manganese	7439-93-3	1.20-1.50	-
Silicon	7440-21-3	0.10-0.25	Substance with a community workplace exposure limit.
Sulphur	7704-34-9	Max. 0.035	Skin Irritant 2, H135
Phosphorus	7723-14-0	Max. 0.035	Flam. Liq. 2, H225; Flam. Sol. 1, H228; Aquatic Chronic 3, H412
Iron	743-89-69	> % 96	-

4. First Air Measures

General Information: No special measures required.

After Skin Contact: *Wash off with plenty of water. If skin irritation continues, consult a doctor.*

After Eye Contact: *Rinse out with plenty of water with the eyelid held wide open. If symptoms persist, consult a doctor.*

After Ingestion: *Seek medical help if large quantities of material have been ingested.*

After Inhalation: *Remove to fresh air. Consult a doctor. In case of unconsciousness, stabilize patient in a side position for transportation.*

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatments needed:

No further relevant information available.



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

5. Fire-Fighting Measures

Extinguishing Media

Suitable extinguishing agents: Use dry chemicals or sand to exclude air.

For safety reasons, avoid these unsuitable extinguishing agents: Not Applicable

Special Hazards Arizing from the Substance or Mixture:

Special Risks: Non-Combustible

Flash Point: Not Applicable

Auto-Ignition: (Solid Iron exposed to Oxygen) 930 °C

Additional Information: *The solid form of material is not compustible. Fir explosion hazards are moderate when material is in the form of dust and exposed to the heat of flams, chemical reactions, or contact with powerful oxidizers. Cast steel shot will not burn or explode.*

Advice for Firefighters

Protective Equipment: No special measures required.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Cast steel shot spilled or leaked onto floors can cause hazardous walking conditions.

Methods for cleaning up: Spills or leaks should be vacuumed or swept from working areas.

Environmental Precautions: No special measures required

Methods and material for containment and clean up: Pick up mechanically

References to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

7. Handling and Storage

Precautions for safe handling:

Store material away from incompatible materials and keep dust away from sources of ignition. Special care must be exercised to prevent product leakage. If the pallet has the tension straps, exercise extra caution when removing the tension straps.

Information about fire and explosion protection: No special measures required.

Conditions for Safe Storage, Including any Incompatibilities Storage:

Requirements to be met by storerooms and receptacles: Keep dry to reduce rusting. Information about storage in one common storage facility: Not required. Further information about storage conditions: Observe maximum floor loading limitations.

Specific end use(s): No further relevant information available

8. Exposure Controls/Personal Protection

Additional information about design of technical facilities: No further data; see item 7

Control Parameters:

Ingredients with limit values that require monitoring at the workplace:

7440-44-0 carbon

WEL Long-term value: 10* 4** mg/m³ *inhalable dust **respirable

7440-21-3 silicon

WEL Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

**Regulatory information WEL: EH40/2011*

***Additional information: The lists valid during the making were used as basis.*

Personal Protective Equipment:

General Protective Measures: Do not inhale dust. Use typical precautionary measures as if handling chemicals.

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.

Hand Protection: Leather gloves



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

8. Exposure Controls/Personal Protection Cont.

Skin and Body Protection: Protective work clothing

Hygiene Measures: Do not eat, drink or smoke near the work area.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Form	Round
Color	Metallic, light grey, silver
Odor Characteristic	Odorless
pH-Value	Not Applicable
Melting Temperature	1371- 1482 °C
Boiling Temperature	2850- 3150 °C
Flash Point	not applicable
Flammability (solid, gas)	not determined
Ignition Temperature	not determined
Decomposition Temperature	not determined
Danger of Explosion	product does not present an explosion hazard
Evaporation Rate	not applicable
Solubility in Water	not applicable
Vapor Pressure	not applicable
Density at 20 °C	approx. 7.0-7.8 gr/cm ³
Relative Density	approx. 3.7-4.3 gr/cm ³



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

10. Stability and Reactivity

Reactivity: No further relevant information available.

Chemical stability: Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological Information

Information of Toxicological Effect:

Acute toxicity:	---
Skin Corrosion / Irritation	Based on available data, the classification criteria are not met.
Serious Eye Damage / Irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenic	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity-single exposure:	Based on available data, the classification criteria are not met.
Specific target organ toxicity-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

12. Ecological Information

Toxicity Aquatic toxicity:	No further relevant information available.
Persistence and degradability:	No further relevant information available.
Bio-accumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Additional ecological information:	Generally not hazardous for water
Results of PBT and vPvB assessment	
<i>PBT: Not applicable.</i>	
<i>vPvB: Not applicable</i>	

Other adverse effects: No further relevant information available

13. Disposal Consideration

Waste Treatment Methods

Disposal / waste (product):

Unused steel shot: The allocation of the EWC codes / waste descriptions is to be carried out specific to branch and process in accordance with AAV 12.01.17, steel shot waste with the exception of waste which comes under 12.01.16

Packaging:

Disposal in compliance with the official regulations. Handle the contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport Information

UN-Number	ADR, ADN, IMDG, IATA: Void
UN proper shipping name	ADR, ADN, IMDG, IATA: Void
Transport hazard class(es)	ADR, ADN, IMDG, IATA Class: Void
Packing group	ADR, IMDG, IATA: Void
Environmental hazards:	Marine pollutant: No 14
Special precautions for user:	Not applicable
Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable
UN "Model Regulation":	Void



SAFETY DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

No regulations apply

Labeling: According to EC / US directives

Chemical safety assessment: A Chemical Safety Assessment has not been carried out

16. Other Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Relevant phrases

H225 Highly flammable liquid and vapour.

H228 Flammable solid.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Abbreviations and Acronyms:

ADR: According to European for the transport of hazardous products (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very Persistent and very Bio accumulative

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Sol. 1: Flammable solids, Hazard Category 1

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment- Chronic Hazard, Category 3



