

Section 1: Identification

1.1 Product identifier

Product Name: **Steel Shot, Steel Grit**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Media for surface treatment, surface preparation and/or cleaning by impact.

1.3 Details of the supplier of the product information

Supplier: Guyson Corporation of U.S.A.
 13 Grande Blvd.
 Saratoga Springs, NY 12866
www.guyson.com
info@guyson.com

1.4 Telephone number: 518-587-7894

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

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

2.2 Label elements:

| | |
|---|------|
| Labeling according to Regulation (EC) No 1272/2008 | Void |
| Hazard pictograms | Void |
| Signal word | Void |
| Hazard statements | Void |

2.3 Other hazards:


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

Section 3: Composition / Information on Ingredients

3.1 Mixtures

Description: Mixture: Consisting of the following components.

Dangerous components:

| | | |
|-------------------------------------|---|------------|
| CAS: 7440-44-0 EINECS: 231-153-3 | Carbon | 0.80-1.20% |
| CAS: 7439-96-5 EINECS: 231-105-1 | Manganese | 0.35-1.20% |
| CAS: 7440-21-3 EINECS: 231-130-8 | Silicon Substance with a Community workplace exposure limit | 0.40-1.50% |
| CAS: 7704-34-9 EINECS: 231-722-6 | Sulfur  Skin Irrit. 2, H315 | <0.05% |
| CAS: 7723-14-0 EINECS: 231-768-7 | Phosphorus Flam. Liq. 2, H225; Flam. Sol. 1, H228; Aquatic Chronic 3, H412 | <0.05% |

Additional Information: For the wording of the listed risk phrases refer to section 16.

Section 4: First-Aid Measures**4.1 Description of first aid measures**

General Information: No special measures required.

After inhalation: Supply fresh air; consult a doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Rinse with warm water.
If skin irritation continues consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water.
If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: Fire-Fighting Measures**5.1 Extinguishing media**

Suitable extinguishing media agents:

Class "D" Extinguisher, CO₂, sand and extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents:

Water

5.2 Special hazards arising from the substance or mixture

Products are non-flammable.

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.

5.3 Advice for fire-fighters

Protective equipment: No special measures required.

Section 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Scrap and remnants can create slip-and-fall hazards. It is recommended to keep floors and work areas clean at all times.

6.2 Environmental precautions

No special measures required.

6.3 Methods and materials for containment and cleaning up

Pick up mechanically.

6.4 Reference 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.

Section 7: Handling and Storage**7.1 Precautions for safe handling**

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

Information about fire- and explosion protection

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles:
Information about storage in one common storage facility:
Further information about storage conditions:

No special requirements.
Not required.
None

7.3 Specific end use(s)

No further relevant information available.

Section 8: Exposure Controls / Personal Protection**8.1 Control parameters:**

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

Ingredients with the limit values that require monitoring at the workplace:

7440-21-3 Silicon

WEL Long-term value: 10* 4** mg/m³

*inhalable dust ** respirable dust

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

Section 8: Exposure Controls / Personal Protection (continued)

8.2 Exposure Controls

Personal protective equipment:

- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation. Filter P2
- **Protection of hands:**
Leather gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
 - **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further remarks of quality and varies from manufacturer to manufacturer. As the products is a preparation of several substances, the resistance of the glove material cannot be calculated in advanced and has therefore to be checked prior to the application.
 - **Penetration time of the glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- **Eye Protection:** Safety glasses
- **Body Protection:** Protective work clothing

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Form: | Solid |
| Odor: | Odorless |
| Odor threshold: | Not determined |
| Ph-value: | Not applicable |
| Melting point/range: | 1500 °C (2732 °F) (~2700 °F) |
| Boiling point/range: | 3000 °C (5432 °F) (~5400 °F) |
| Flash point: | Not applicable |
| Flammability (Solid, gaseous): | Not determined |
| Decomposition temp | Not determined |
| Self-Igniting: | Product is not self-igniting |
| Danger of explosion: | Product does not present an explosion hazard |
| Lower: | Not determined |
| Upper: | Not determined |
| Vapor pressure: | Not applicable |
| Density at 20°C (68°F) | 7.8 g/cm ³ (65.091 lbs/gal) |
| Relative density | Not determined |
| Vapor density | Not applicable |
| Evaporation rate | Not applicable |
| Solubility in/ Miscibility with water | Insoluble (very little danger of dust forming) |
| Partition coefficient (n-octanol/water) | Not determined |

Section 9: Physical and Chemical Properties (continued)

| | |
|------------------|----------------|
| Viscosity | |
| Dynamic | Not applicable |
| Kinematic | Not applicable |
| Solvent content | |
| Organic solvents | 0.0% |
| VOC (EC) | 0.00% |
| | |

9.2 Other Information:

No further relevant information

Section 10: Stability and Reactivity**10.1 Reactivity****10.2 Chemical stability**

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

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous decomposition products

No dangerous decomposition products known.

Section 11: Toxicological Information**11.1 Information on toxicological effects****Acute toxicity****Primary irritant effect:**

Skin corrosion/irritation

No irritant effect

Serious eye damage/irritation

No irritating effect

Respiration or skin sensitization:

No sensitizing effects known

Additional toxicology information:

The product is not subject to classification according to the calculation method of the General EU Classification. Guidelines for preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Section 12: Ecological Information**12.1 Toxicity****Aquatic toxicity**

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bio accumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PTB and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects

No further relevant information available.

Additional ecological information:

General Notes: Generally not hazardous for water.

Section 13: Disposal Considerations**13.1 Waste Treatment Methods:****European waste catalogue**

12/01/16* Waste blasting material containing dangerous substances.

Uncleaned packaging:

Disposal must be made according to official regulations.

Section 14: Transport Information

| | | |
|---|--|----------------|
| 14.1 UN-Number | | |
| ADR/ ADN/ IMDG / IATA | | Void |
| 14.2 UN proper shipping name | | |
| ADR/ ADN/ IMDG / IATA | | Void |
| 14.3 Transport hazard class(es) | | |
| ADR/ ADN/ IMDG / IATA Class | | Void |
| 14.4 Packing group | | |
| ADR/ IMDG / IATA | | Void |
| 14.5 Environmental hazards | | |
| Marine pollutant: | | No |
| 14.6 Special precautions for user | | Not applicable |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | | Not applicable |
| UN "Model Regulation" | | |

Section 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National Regulations:**

Information about limit of use: Employment restrictions concerning juveniles must be observed.

Water hazard class: Generally not hazardous for water.

15.2 Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out.

Section 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Reasons for Changes: Versions 2: 28/05/2015: Section 5.1 extinguishing agents

Relevant phrases

H225 Highly flammable liquid and vapor

H228 Flammable solid

H315 Cause skin irritation

H412 Harmful to aquatic life with long term effects.

Abbreviations & Acronyms

ADR: (European Agreement concerning the International Carriage of dangerous goods by road)

IMDG: International Marine code for dangerous goods.

IATA: International Air Transport association

GHS: Globally Harmonized System of Classification and Labeling 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)

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 aquatic environment- Chronic Hazard, Category 3