

**Section 1: Identification****1.1 Product identifier**

Product Name: Guyson Metalbead Max ®
Product Part Number: 900510

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

Blast Cleaning, Shot Peening
There is no information about uses advised against.

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**

The unused product does not contain any components in concentrations which require a classification as a hazardous substance.

2.2 Label elements

The unused product is classified as not hazardous according to regulations 67/548/EC, 1999/45/EC or 1272/2008/EC.

2.3 Other hazards

Unknown.

2.4 Additional information

During mechanical application (e.g. in blasting machines), dust and vapor may occur. The usual safety precautions are to be observed. The statutory values for dust and vapour in your country have to be observed.

Section 3: Composition / Information on ingredients**3.1 Substances**

Main ingredients	Hazard symbols.	Weight content	H-Phrases	CAS	EINECS
Iron	--	>98	--	7439-89-6	231-096-4
Carbon	--	0,14-0,18	--	7440-44-0	231-153-3
Manganese	--	0,35-0,7	--	7439-96-5	231-105-1
Silicon	--	0,65-0,85	--	7440-21-3	231-130-8

The ingredients mentioned above are not freely available. All ingredients are bond firmly in the alloy matrix.

Section 4: First-Aid Measures

4.1 Description of first aid measures

-) **After inhalation:** Ensure sufficient fresh air supply and consult a physician if feeling unwell.
-) **After skin contact:** No measures necessary.
-) **After eye contact:** Rinse out with plenty of water for at least 10 minutes. Remove contact lenses. Consult an ophthalmologist.
-) **After swallowing:** Irrelevant.

4.2 Most important symptoms and effects, both acute and delayed

Unknown.

4.3 Indication of any immediate medical attention and special treatment needed

None.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

The unused product itself does not burn. Extinguishing media should therefore be selected to surroundings.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for fire-fighters

Stay in danger area only with self-contained breathing apparatus.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

6.2 Special hazards arising from the substance or mixture

No special hazards known.

6.3 Methods and materials for containment and cleaning up

Spilled materials should be removed by dry cleaning.

6.4 Reference to other sections

None.

Section 7: Handling and Storage

7.1 Precautions for safe handling

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry place.

7.3 Specific end use

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: Exposure Controls / Personal Protection**8.1 Control parameters****Components with workplace or biological limit values to be monitored**

General dust limit value:

AGW (Germany)	3mg/m ³	Respirable fraction
	10mg/m ³	Inhalable fraction

8.2 Exposure Controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Pictograms:

Hand protection:	Not required. Skin protection cream is recommended.
Eye protection:	Tightly fitting safety glasses.
Foot protection:	Not required. Protective footwear is recommended.
Body protection:	Not required. Normal work wear is recommended.
Respiratory protection:	Disposable dust mask is recommended, type FFP2.
General protective measures:	Avoid contact with skin, eyes and mucosa.

Section 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Form:	solid
Color:	grey, metallic gloss
Odor:	none
pH-Value:	insoluble in water
Melting point:	~1500°C
Boiling point:	no data available
Flash point:	none
Ignition temperature:	none
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Vapor pressure [20°C]:	no data available
Vapor density:	no data available
Density:	~7,4 g/cm ³
Bulk density:	~4,3 g/m ³ (depends on the grain class)
Solubility in water:	insoluble in water

9.2 Other data

None.

Section 10: Stability and Reactivity

10.1 Reactivity

See section 10.3.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions cannot be excluded in contact with:

Acids and alkalines, oxidizing agents.

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

Section 11: Toxicological Information

11.1 Information on toxicological effects

The substance or mixture is not classified as specific target organ toxicant, neither through single or repeated exposure.

11.2 Further information

Quantitative data on the toxicity of this product are not available. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. Handle in accordance with good industrial hygiene and safety practice.

Section 12: Ecological Information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bio accumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PTB and vPvB assessment

No information available.

12.6 Other adverse effects

No ecological problems are to be expected when the product is handled and used with due care and attention.

Section 13: Disposal Considerations

Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

Section 14: Transport Information

14.1 UN Number

Not classified as dangerous in the meaning of transport regulations.

14.2 UN Proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard classes

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for users

Not classified as dangerous in the meaning of transport regulations.

Section 15: Regulatory Information

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

Labeling according to EC directives: None
R-,H- Phrases: None
S-,P- Phrases: None
Water hazard class: None

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: Other Information

Last Revision Date: 05/05/2018

Preparation Date: 05/05/2018

The indications made in this product information are based on the present state of our know-how and experience. The product information describes the unused product in view of safety requirements. The indications do not constitute any guarantee with regard to product and do not create a contractual legal relationship.

All information given above refer to the unused product. As a result of mechanical application changes in the chemical and physical properties could not be excluded. The chemical and physical properties of the waste, strongly depend on the conditions of use. All indications made in this product information concerning composition, dangers, first aid, fire-fighting measures, accidental release measures, handling and storage, exposure control and personal protection, physical and chemical properties, stability and reactivity, toxicological information, ecological information, disposal information, transport information and regulatory information are only valid for the unused product and not for abrasive waste. It is the responsibility of the user to find out all the necessary information.