

Material Safety Data Sheet

according to regulation (EC) No 1906/2006 (REACH)

Product No: 06

Trade name: Chilled iron shot R



Revision date: 2016-01-21

1. PRODUCT AND COMPANY IDENTIFICATION

Название продукта: Дробь чугунная литая
Product category: Chilled iron shot R

Intended use:

- shot-casting and shot-blasting cleaning of castings, forgings, rolled steel;
- surface hardening of shafts, springs, cog-wheels etc;
- surface preparation for painting;
- rust removing from metal structures;
- marble and granite cutting;
- cleaning of power plant boilers;
- as ballast.

Manufacturer: Mogilev Metallurgical Works
street Kurako 28
www. mmz@mmz.by

Information contact: Telephone:
Emergency telephone: Telefax: +375 222 74 16 76

2. HAZARD (HAZARDS) IDENTIFICATION

Chilled iron shot doesn't contain any toxic components, which require classification as dangerous substance in accordance with Regulation (EC) № 548/1967.

Dust can be formed using chilled iron. Standard precautions should be taken.

3. COMPOSITION (INFORMATION ON INGREDIENTS)

Chemical elements	Designation	The percentage content, %
Iron	Fe	>90
Carbon	C	2,7-3,2
Silicon	Si	0,8-1,5
Manganese	Mn	0,3-0,85
Phosphorus	P	<0.20
Sulfur	S	<0.15

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4. FIRST – AID MEASURES

In case of inhalation: Provide fresh air. If necessary, seek medical advice.

In case of skin contact: No measures necessary.

In case of eye contact: In case of contact with eyes and eyelids immediately and thoroughly rinse out with plenty of water for 15 minutes. It is necessary to consult a doctor if you have symptoms of irritation.

In case of ingestion: No measures necessary.

5. FIRE-FIGHTING MEASURES

The product is not flammable and doesn't support flame spread.

6. MEASURES TO PREVENT AND ACCIDENTAL SITUATIONS AND THEIR CONSEQUENCES

Personal precautions: Provide employees with appropriate personal protective equipment.

7. PRODUCT STORAGE AND HANDING DURING LOADING AND UNLOADING OPERATIONS

Handing: No additional requirements.

Place of storage: Keep dry.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Technical warranty: Facilities for storing or using this product should be equipped with sinks and showers.
Local exhaust ventilation, which collects dust in source, can be used.
Handling equipment.
Keep work place clean.

Personal protection: Don't smoke, eat or drink during work.

Hands protection: Wash hands during breaks and at the end of the working day.

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	During the process it must be worn protective gloves.
Eye protection:	During the process it must be worn protective glasses.
Feet protection:	Safety shoes are recommended.
Protective clothing:	Wear protective clothing (preferably cotton). Contaminated clothes should be cleaned from dust.
Respiratory protection:	<p>In case of dust formation it requires enough ventilation of working places. In case of exceed the maximum permissible concentration of dust in the air – it's recommended using of disposable masks (respirators).</p> <p>When dust concentration in the air at the workplace below the maximum permissible value in your company than respiratory protection is not required.</p>

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance:	solid, round shape
Colour:	Grey
Odour:	No specific odour.
Solubility in water:	Insoluble
Density:	no less than 7200 kg/m ³
Hardness of chilled iron shot:	545.....830 HV
Melting temperature:	~ 1500 ° C
Grain size:	according to GOST 11964-81; specification to contract

10. STABILITY AND REACTIVITY

Chemical stability:	- product is stable.
Possibility of hazardous reactions:	- there is no malicious reaction under normal conditions of storage and use.
Materials to avoid:	- water, strong oxidizing agents.

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Hazardous decomposition
products:

- under normal storage and use hazardous decomposition
products should not be.

11. TOXICOLOGICAL INFORMATION

There are no toxic effects with proper handling and use of the product.

Effects on the eyes: - No.
Effects on the skin: - No.
Irritation: - No.

12. ECOLOGICAL INFORMATION

The impact of the product hasn't been studied on the environment.

13. DISPOSAL INFORMATION

Waste of product: Dispose the waste from this product in accordance with local
regulations.
Waste, even small quantities, should not be drained into the
sewer drains.

14. TRANSPORT INFORMATION

Not classified as dangerous good for transport.

15. REGULATORY INFORMATION

Marking in according to

EC directive:

Hazard sign of EC: -

Hazard description: -

R –risk: -

S –safety: S 22 Don't breathe dust
S 37/39 Wear suitable gloves and eye / face protection

Additional warning: -

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Waste symbol:



16. OTHER INFORMATION

The data presented here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the product in terms of safety requirements. All information provided above, applies to the use of the product. These figures do not give any warranty on the product properties and do not create any contractual legal relationship.

All the information, contained in this safety data sheet, relating to the composition, hazard, first aid measures, fire-fighting measures, handling and storage, personal protective equipment, physical and chemical characteristics, stability and reactivity, toxicity, ecological information, disposal information, transport information are only valid to use the product.