

Material Safety Data Sheet	№ 11 / 3 /DS-2011	Date: 23.03.2011
Steel wire for nails		Revision: 3
		Date of revision: 19.08.2015
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1. Identification of material and plant properties	
1.1 Commercial name:	Steel wire for nails
1.2 Application:	for manufacturing of nails
1.3 Manufacturer / supplier:	Open Joint Stock Company «Byelorussian Steel Works- management company of “Byelorussian Metallurgical company” holding» 37 Promyshlennaya st., 247210 Zhlobin, Gomel Region, Republic of Belarus Tel.: + 375 (2334) 2-29-93 Fax: + 375 (2334) 2-42-61
2 Composition / components information:	
2.1 General description:	Steel wire for nails is steel wire.
2.2 Chemical composition of steel for manufacturing of wire for nails:	
Element	Mass concentration of element, %
Iron, not less	0,97
Carbon, not more	0,24
Manganese, not more	1,10
Silicon, not more	0,37
Copper, not more	0,40
Chromium, not more	0,35
Nickel, not more	0,35
3 Possible hazards:	
3.1 Classification of European Community (EC)	This product is not hazardous according to the Directive 1999/45/EC
3.2 Special hazard for people and environment:	no
3.3 Emergency situation:	exclude
3.4 Physical configuration::	solid material
3.5 Odour:	absent
3.6 Potential hazards for health	
Influence:	Protective measures:
Inhalation	no
Contact with skin	use protective gloves
Contact with eyes	use protective spectacles
4 First aid measures	No special procedures are required for this product.
5 Fire safety measures	
Special influence method:	material is not combustible
Special kind of danger:	absent
6 Measures during spillage or leakage	
6.1 Personal protection:	exclude
6.2 Environmental protection:	exclude
6.3 Cleaning / absorption / neutralization:	exclude

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20. 08. 2015 *[Signature]*

7 Handling and storage measures**7.1 Handling:**

Safe handling	unknown
Explosion and fire safety	unknown

7.2 Storage

Requirements	Avoid moisture, acid effects and other things affecting to corrosion.
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8 Safety measures**8.1 Engineering measures:**

Small flying particles produced during welding, cutting, grinding and annealing of steel wire for nails can cause injury of eyes.

8.2 Maximum allowable concentration of materials

State Standard 12.1.005-88 "General hygiene and sanitary demands to the working area air".

Name of materials	Maximum allowable concentration (mg/m ³)
Welding spray	6,0
Carbon oxide	20
Nitric oxide	2,0
Dust with oxide silicon content (more than 10%)	2,0
Chromium oxide	1,0
Copper	1,0
Manganese	0,2
Nickel	0,05

8.3 Equipment for personal protection**Hands protection**

Protective gloves are to be used while working with steel wire for nails.

Eyes protection

Protective spectacles are to be used while working with steel wire for nails.

9 Chemical and physical properties

Physical state:	solid
Colour:	steel
Odour:	no
pH:	not applicable
Melting point:	1530-1538°C (2786-2800°F)
Flash point:	not applicable
Explosive characteristic:	not applicable
Water solubility:	insoluble
Specific density:	7,85 kg/dm ³

10 Stability and chemical activity

On normal environmental conditions the steel wire for nails is a stable product. There is no risk of ignition or explosion

The product shouldn't be in contact with moisture, acids and other agents affecting metal corrosion.

11 Toxicity

There is no data about the toxicity of the product.

Inhalation of smoke fumes while welding, cutting, grinding and annealing of steel wire for nails can cause eyes and respiratory apparatus irritation if the ventilation system and respirator are not used. During the prolonged and frequent contact with steel wire for nails skin irritation is theoretically possible for people with skin sensitive to some components of the product. But there are no references to such cases in special literature.

12 Environmental impact

Steel wire for nails is a secure product in case of correct application, storage and utilization.

Steel wire for nails is stable in normal condition and it virtually doesn't decompose.

13. Utilization and waste disposal

To utilize according to the Legislative regulations of consumer's country.

14 Rules of transportation

Safety data sheet according to REACH - Provision (EC) № 1907/2006.

This product is not dangerous during international transportation (by land, by sea, by air).

In accordance with the criteria of EC Directive 67/548/EEC and corresponding annexes marking is not required.

15 Normative information

According to the Directive, this product is not classified as dangerous.

According to the Directive 67/548/EEC and its Modifications steel wire for nails is a product (finished product), it is not a substance or agent.

16 Additional information

In the quality certificate.

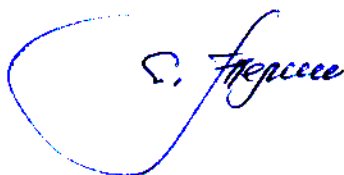
This document has the information about safety, health, hygiene and ecology; it's catered for people who work with steel wire for nails.

This information is based on our knowledge and may be used for exact maintenance of safety measures while using steel wire for nails.

The information provided in this document does not guarantee quality parameters of the product.

OJSC «BSW- management company of "BMC" holding» bears no responsibility for incorrect use of steel wire for nails and/or this information.

Chief of Technical department



S.V. Terletski

Coordinated with:

Deputy chief engineer on LP Dpt, IS Dpt and environment protection department



V.V. Efimenko