

Material Safety Data Sheet	№ 5 / 5 /DS-2003	Date: 22.12.2003
		Revision:5
Hose wire		Date of revision: 19.08.2015
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1. Identification of material and company details

1.1 Commercial name:	Hose wire
1.2 Application:	For reinforcement of high pressure hoses
1.3 Manufacturer / supplier:	<p>Open Joint Stock Company «Byelorussian Steel Works- management company of "Byelorussian Metallurgical company" holding»</p> <p>37 Promyshlennaya st., 247210 Zhlobin, Gomel Region, Republic of Belarus Tel.: + 375 (2334) 2-29-93 Fax: + 375 (2334) 2-42-61</p>

2 Composition / components information:

2.1 General description:	Hose wire is steel brass plated wire
2.2 Chemical composition of steel for manufacturing of hose wire:	
Element	Mass concentration of element, %
Iron, not less	97,0
Carbon, not more	0,95
Manganese, not more	0,70
Silicon, not more	0,37
Nickel + chromium +copper, not more	0,17

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:	The product (carton-packed) is in danger of ignition, if it is exposed to the open flame.
3.4 Physical configuration::	solid material
3.5 Odour:	absent
3.6 Potential hazards for health	
Influence:	Protective measures:
Inhalation	exclude
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

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.
Store carton-packed products far from ignition sources.

8 Safety measures

8.1 Engineering measures: Small flying particles produced during welding, cutting, grinding and annealing of **hose wire** 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 air in the working area".

Name of materials **Maximum allowable concentration (mg/m³)**

Welding spray 6,0

Carbon oxide 20

Nitric oxide 2,0

Dust with oxide silicon content 2,0

(more than 10%)

Chromium oxide 1,0

Copper 1,0

Zinc oxide 0,5

Manganese 0,2

Nickel 0,05

8.3 Equipment for personal protection**Hands protection**

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

Eyes protection

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

9 Chemical and physical properties

Physical state: solid

Colour: goldish

Odour: no

pH: not applicable

Melting point: 1485 - 1538°C (2705-2800°F)

Flash point: not applicable

Explosive characteristic: not applicable

Water solubility: insoluble

Specific density: 7,85 kg/dm³

10 Stability and chemical activity

On normal environmental conditions hose wire 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 toxicity of the product.

Inhalation of smoke fumes while welding, cutting, grinding and annealing of hose wire can cause eyes and respiratory apparatus irritation if the ventilation system and respirator are not used. During the prolonged and frequent contact with hose wire 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

Hose wire is a secure product in case of correct application, storage and utilization.

Hose wire is stable in normal condition and it virtually doesn't decompose.

13. Utilization and waste disposal

Utilization should be in accordance with the law of the user's country.

Containers for hose wire supplies (plastic/steel spools, plastic/wood pallets and separators) are property of OJSC «BSW- management company of "BMC" holding» and should be returned in the producer's packaging according to a supply contract.

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 hose wire is a product (finished product); it is not a substance or agent.

16 Additional information

In the quality certificates.

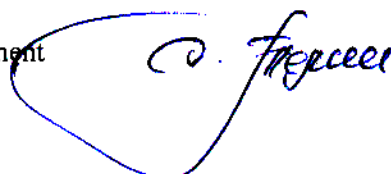
This document has the information about safety, health, hygiene and ecology; it's catered for people who work with hose wire.

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

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 hose wire of and/or this information.

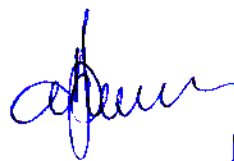
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Coordinated with:

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