



Material Safety Data Sheet

Product Name: **Solid-film coating "MC-2000"**

Date: 21.07.2010

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I – Identification of the Product and the Company

Trade Name:	MC-2000		
Pack Size:	20 g , 860 g		
Product Definition:	Solid-film coating		
Manufacturer:	Limited Liability Company «VMPAUTO»		
Address:	Russia, 198095, 40A Promyshlennaya st.		
City:	SAINT PETERSBURG		
Emergency Support:			
Phone:	+7 (812) 325-3726		
Information			
Telephone Number:	+7 (812) 325-5098	Fax:	+7 (812) 325-3726
Product Use:	Solid-film coating for the pistons of Internal Combustion Engines.		

II – Composition

Chemical composition	Metal-polymer (liquid polymer high-temperature polymerization and powder's components – graphite, disulfide molybdenum (MoS ₂) & ultradisperse powders of metals)
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Product	Chemical name Ingredients	Volume %	CAS №
"MC-2000"	MoS ₂	1,5 – 3,0	1317-33-5
	Graphite	2,0 – 3,0	7782-42-5
	The polymer like glue «БФ-2» (BF-2)	The rest	N/A
	Bronze powder	1,0 – 4,0	7440-50-8

III – Hazards Identification

Not regarded as a health hazard as defined in TC 0254-006-45540231-2001.

IV – First Aid Measures

Eyes	Promptly rinse eyes with plenty of water whilst lifting the eyelids. Continue to rinse for at least 15 minutes. Seek medical attention if discomfort persists.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water. If any symptoms persist after washing, seek medial attention showing this sheet.

V-Fire Fighting Measures

Extinguishing Media	Non flammable liquid – use extinguishing media appropriate to surrounding fire.
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VI- Handling and Storage

Handling	When handling this product, observe good standards of industrial hygiene to avoid swallowing and eye or skin contact by the use of suitable personal protective equipment.
Storage	Store in a dry place away from all sources of heat, including direct heat.

VII- Personal Protection

General	Under normal conditions the solid lubricants “ MC-2000” is a stable product and does not require special measures of safety. The solid lubricants “ MC-2000” relates to the class of fire-resistant and small toxicity products.
Respiratory Protection	None required under normal use.
Hand Protection	Wear rubber gloves.
Eyes Protection	None required under normal use.
Skin Protection	None required under normal use.

VIII – Physical and Chemical Properties

Physical state	Homogeneous liquid from dark grey to black colour.
pH	N/A
Flash Point	110 °C
Flammability	Non Flammable
Explosive properties	N/D
Vapour Pressure	N/D
Auto Ignition Temp	N/A
Viscosity Index	30-60 sec

IX – Stability and Reactivity

Stable under normal and intended uses and applications. Hazardous polymerization will not occur.

X – Toxicological Information

Skin Irritation	Non Irritant
Eyes Irritation	Non Irritant
Other Toxicological Information	The above information is calculated and based on data supplied by the manufacturer of the raw material. This product has not been tested on animals. There is no evidence of carcinogenic or mutagenic effects nor is the product toxic for reproduction.

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XI – Ecological Information

Biodegradability: No information available.
 Environment protection while manufacturing is observed by tightening all the technological equipment, presence of trapping systems in relief and vacuum lines .
 Liquid or solid waste is absent.

XII – Transport Information

Proper Shipping name	Not classified according to transport regulations as hazardous goods.
UN Number	N/A
Hazard Class	N/A
Symbol	N/A
Packing Group	N/A
IATA/DGR Limits	N/A



XIII – Other Information

The Information in this Safety Data Sheet is given in good faith. The information herein is accurate to the best of our knowledge and represents the most up to date information available to us. Products should be handled and used in accordance with the advice given. The information in this Safety Data Sheet does not constitute an assessment of workplace risks.

Recommended uses and restrictions

This product is intended to be used as solid-film coating for the pistons of ICE for automobiles and trucks as per the instructions on the pack.

Data Sources

Chemicals (Hazard Information and Packaging for Supply) Regulations .

Abbreviations: N/A = not applicable or available

N/D = not determined.