



## MATERIAL SAFETY DATA SHEET (EC 1907/2006)

Material name

**Neoss MSDS 8 - POM**

Document no

**11027**

Version

**0**

Date

**2010-06-02**

Page

**1 of 3**

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Trade name	POM
Company	Neoss Ltd. Windsor House Cornwall road Harrogate, HG1 2PW <a href="http://www.neoss.com">www.neoss.com</a>
Telephone	+44 1423 817-733
Telefax	+44 1423 817-744
Email	<a href="mailto:info@neoss.com">info@neoss.com</a>
Emergency telephone number	Your local Neoss office
Use of the Substance /Preparation	Molding compound for injection molding

### SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENT

Based on polyoxymethylene co-polymer (POM AH), possibly containing glass fibre, reinforcing materials, fillers, pigments, dyes, additives.

### SECTION 3: HAZARDS IDENTIFICATION

This product contains no dangerous components.

### SECTION 4: FIRST AID MEASURES

**Inhalation:** After accidental inhalation of fumes or thermal decomposition products, using self-protection, remove the person from the danger zone and apply artificial respiration if necessary. Seek medical help and keep quiet and warm.

**Skin:** After contact with molten polymer, immediately cool with cold water for a prolonged time. Remove affected clothing. Do not peel polymer from skin. Cover burns with sterile dressings. Obtain medical attention. For skin irritation caused by glass fibre thoroughly wash the affected area with water, do not rub.

**Eyes:** If a foreign body (splinter, chip) enters the eye do not rub. Rinse immediately with plenty of water. Seek medical attention.

### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water, foam, dry powder, carbon dioxide

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus

**Hazardous Combustion Products:** carbon dioxide, carbon monoxide

**Unusual Fire and Explosion Hazards:** Powdered material may form explosive dust-air mixtures.

**Additional advice:** This product ignites in a flame and continues to burn on removal of the source. With thermal decomposition toxic and combustible gasses and steam are released. There is a danger of the fire spreading through spontaneous ignition of the gaseous decomposition products. Molten product must therefore be cooled with water. Water used to extinguish the fire and fire remainders must be collected. Fire hydrants must be controlled and water disposed of, in accordance with local regulations.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Before entry of swarf waste to sewage it should be mechanically cleaned of product remainders.

**Methods for cleaning up:** Mechanical



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Page

**2 of 3**

### SECTION 7: HANDLING AND STORAGE

#### Handling

**General advice:** Avoid overheating of material by improper handling. Avoid dust generation.

**Technical measures:** For mechanical operations local extraction 1 ventilation is recommended to ensure that less than the 8.1 limit is achieved. Where dust is produced, measures must be taken to avoid static electricity discharge.

#### Storage

**General advice:** The appropriate company regulations for fire prevention are to be followed.

**Special requirements:** None.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Personal protection

**Respiratory Protection:** During dusty operations use respiratory protection (e.g. filter mask with P1 filter)

**Eye Protection:** For mechanical operations wear safety glasses with side pieces.

**Skin Protection:** Skin Protection should be used (barrier cream). Persons sensitive to glass fibre should wear leather protective gloves. For mechanical processing of glass fibre reinforced products loose fitting, tight work clothes should be worn.

**Hygiene measures:** General industrial hygiene regulations are to be observed. Wash hands before breaks and at the end of workday.

Do not eat, drink or smoke in the workplace.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b>	Solid (semi finished or finished parts)	
<b>Colour:</b>	Various, dependent on colorant	
<b>Odour:</b>	Odourless	
<b>Density (20°C)</b>	1,30- 1,61 g/cm <sup>3</sup>	DIN 53479
<b>Melting point range:</b>	165°C	DIN 53765
<b>Decomposition temperature:</b>	> 240 °C	
<b>Ignition temperature:</b>	320 °C	ASTM-D 1929
<b>Explosion limits:</b>	Not applicable	
<b>Solubility (20°C):</b>	Insoluble in water. In organic solution applications insoluble	

### SECTION 10: STABILITY AND REACTIVITY

**Conditions to avoid:** Temperatures > 240 °C (Start of the thermal decomposition)

**Substances to avoid:** Strong acids, oxidizing media.

**Hazard decomposition products:** Carbon dioxide, carbon monoxide, formaldehyde.

### SECTION 11: TOXICOLOGICAL INFORMATION

With proper use and in accordance with regulations there are no known dangers to health

Contact with molten product can cause burns.

With mechanical operations free glass fibre or dust can cause skin, respiratory and eye irritation. By following the rules there is little or no likelihood of inhaling fibre.

### SECTION 12: ECOLOGICAL INFORMATION

Because of insolubility in water separation by filtration or sedimentation is possible

### SECTION 13: DISPOSAL CONSIDERATIONS



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Page

**3 of 3**

Uncontaminated product can be recycled.

If no use is possible, product waste can, in accordance with official local regulations, be mixed with household waste or incinerated in an appropriate place.

Waste product code No. for uncontaminated product. (European waste catalogue) 2001 06 other plastics

### SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations

### SECTION 15: REGULATORY INFORMATION

#### Labelling According To EC-Regulations

Other data According to the Dangerous Preparations Directive (1999/45/EG): no labelling

### SECTION 16: OTHER INFORMATION

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is given in good faith being based on the latest information available and is to the best and belief accurate and reliable at the time of preparation. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness and we assumes no responsibility and disclaims any liability incurred in using this information. The product is supplied under condition that the user accepts the responsibility to satisfy himself so as to the suitability and completeness of such information for his own particular use.