
Safety Data Sheet AGR M100 – Glass Powder

Safety Data Sheet complies with the provisions of Regulation (EC) No 1907/2006 of the European Parliament

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1. IDENTIFICATION OF PREPARATION

Trade name	AGR M100 – Glass powder
Application	For the production of detergents and ceramic products for the shot-blasting treatment

2. IDENTIFICATION OF HAZARDS

Classification of the product:

The product is not classified as hazardous

Danger to humans:

When the quantity limits of dust particles floating in the air are exceeded (dust concentration) respiratory track and eyes may be irritated.

Contact with the skin: the product does not irritate the skin

Swallowing: effects unknown

Environmental Protection:

Glass powder is generally regarded as a solid waste, for which special methods of removal (disposal) are not required.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

The ingredients contained in the product:

According to the declaration of the manufacturer, the product does not contain hazardous substances in concentrations greater than the concentration limits. This product consists entirely of soda-lime glass of the oxide composition:

Oxide composition	Share %	Number CAS	No. WE	Comments
SiO ₂	70 – 74	14808-60-7	215-684-8	
Al ₂ O ₃	0,5 – 2	1344-28-1	215-691-6	
CaO	7 – 11	1305-78-8	215-138-9	
MgO	3 – 5	1309-48-8	215-171-9	
Na ₂ O	13 – 15 (Na ₂ O +K ₂ O)	1313-59-3	215-208-9	

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K ₂ O	13 – 15 (Na ₂ O +K ₂ O)	12136-45-7	235-227-6	
Fe ₂ O ₃	Max. 0,1	1309-37-1		
TiO ₂	Max. 0,1	13463-67-7	236-675-5	

Machining, where applicable, does not exceed 0.1% of volume/weight.

Chemical characterization: glass powder is not classified as a "dangerous substance".

No. CAS and No. EINECS - do not apply

4. FIRST AID

Inhalation:

Avoid inhalation of product dust. Leave the contaminated area. Take the injured person to fresh air, keep him/her warm and calm. Call a physician if any symptoms persist. Show label or safety data sheet.

Eyes:

Make sure that the injured person does not wear contact lenses. Remove contact lenses. Rinse eyes with clean water. Seek medical advice in case of persistent symptoms or irritation.

Specific first aid measures:

They are not required.

5. MEASURES IN CASE OF FIRE

Recommended extinguishers:

This product is not flammable. Commonly used extinguishing agents depending on the environment.

Unsuitable extinguishing media:

They are not known.

Special hazards caused by combustion products and resulting gases:

They do not occur.

Special protective equipment for firefighters:

There is no need to apply such measures.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE INTO ENVIRONMENT

Personal precautions:

Avoid generation and accumulation of dust formulations. Provide adequate ventilation of the workrooms. Avoid contact with eyes. In case of insufficient ventilation wear respirators.

Measures of environmental protection:

No special methods of waste disposal. Storage or disposal in accordance with local regulations for non-

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hazardous waste.

Methods for cleaning / removal:

Spilled, uncontaminated product should be collected for reuse. The contaminated product should be collected into appropriate containers for disposal. For cleaning (collecting) vacuum cleaner should be used.

7. HANDLING AND STORAGE OF PREPARATION

Handling the preparation:

Observe general safety and hygiene at work rules, when used, avoid inhalation of dust, avoid contact with eyes. In case of insufficient ventilation wear respirators. It is not necessary to use special precautions due to human health.

Storage:

Preparation should be stored tightly sealed in the original container in a dry place. Provide adequate general or local ventilation. Do not allow the wetting of the preparation because due to the large surface coverage there is surface moisture and agglomeration.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

Additional recommendations regarding civil engineering measures:

Provide adequate ventilation of production premises and workplaces.

Observe general safety regulations governing the handling of chemical products.

Respiratory tract protection:

Provide adequate ventilation of the workrooms. Wear respiratory tract protection equipment in poorly ventilated conditions when the exposure to concentrations is higher than the value of NDS in the workplace atmosphere.

Skin protection:

Appropriate protective gloves.

Eye protection:

Wear tight-fitting protective glasses.

Body protection:

Wear suitable protective clothing. Wear protective clothing fastened. In any case of contact with skin, wash thoroughly the contaminated skin.

NOTE: The *applied protection must meet the requirements of the Regulation of the Council of Ministers of 9 November 1999 on the lists of goods produced in Poland and imported into Poland for the first time*

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that may pose a threat or used to protect or save life, health or environment, subject to certification for safety mark and on marking with this mark, and on the goods subject to the issue of the manufacturer's declaration of conformity (Journal of Laws No. 5/2000, item No. 53).

The essential requirements for personal protection equipment, conditions and procedures for assessing the compatibility of the personal equipment as well as the manner and pattern of marking are defined in the Council of Ministers of 9 January 2002 on basic requirements for personal protection equipment (Journal of Laws No. 4/2002 item No. 37).

The employer shall ensure that the applied personal protective equipment as well as working clothes and shoes have adequate protective properties and shall provide their proper cleaning, maintenance, repair and decontamination.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	The solid - glass powder, glass granules, colourless, odourless
Specific weight	about 2,50 g/cm ³
Hardness as per Mohs scale	6
Softening point	about 750°C
Solubility in water	Insoluble product
Ignition point, spontaneous combustion	Non-inflammable product

10. STABILITY AND REACTIVITY

Conditions to avoid:

The product is stable under normal conditions of use and storage.

Reactivity:

Is not observed under normal conditions of use.

Hazardous decomposition products: not applicable

11. TOXICOLOGICAL INFORMATION

Direct health hazards: does not constitute a health hazard

Irritation of the respiratory tract and eyes: it can occur only in cases of exceeding the allowable concentrations of dust.

Skin irritation: Not applicable

12. ECOLOGICAL INFORMATION

Durability: glass powder, glass granules are considered to be permanent waste, harmless, classified as "non-hazardous", special safety measures are not required.

Ecotoxicity: Not applicable

13. WASTE DISPOSAL

Observe provisions of the legal act of 27 May 2001 on packaging and waste packaging (Journal of Laws No. 63, item 638 as amended)

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Classification of waste in accordance with the Regulation of the Minister of Environment of 27 September 2001 on waste catalogue (Journal of Laws No. 112, item 1206):

Not specified

The manner of waste disposal

The manner of waste disposal shall be agreed with the competent regional Department of Environmental Protection

14. INFORMATION ON TRANSPORT

Road and rail transport ADR/RID in accordance with the Government Declaration dated 24 September 2002 on entering into force the amendments to Annexes A and B to the European Agreement concerning the inter-national transport of hazardous goods by road (ADR), done at Geneva on 30 September 1957 (Journal of Laws No. 194/2002, item 1629) and the Act of 28 October 2002 on road transport of hazardous materials (Journal of Laws No. 199/2002, item 1671):

Not classified as hazardous

Inland waterways transport ADN / ADNR:

Not classified as hazardous

Sea transport IMO / IMDG:

Not classified as hazardous

Air transport ICAO / IATA:

Not classified as hazardous

15. INFORMATION ON LEGAL RULES

All works with this product should be performed in accordance with the provisions of section IV, Chapter 6 point D of the Regulation of the Minister of Labour and Social Policy of 26 September 1997 on general safety and health at work (Journal of Laws No. 129, item 844, as amended in Journal of Laws No. 91/2002, item 811)

When using and storing this product you must comply with the Regulation of the Minister of Internal Affairs of 3 November 1992 on fire protection of buildings, other structures and land (Journal of Laws No. 92 item. 460, as amended in Journal of Laws of 1995 No.102 item 507).

According to the Regulation of the Minister of Health of 14 August 2002 on the obligation of providing safety data sheets for certain preparations not classified as hazardous (Journal of Laws No. 142, item. 1194), the person introducing the preparation that has not been classified as hazardous into trading on the Polish territory, has a duty, at the request of the recipient running business activities, to provide safety data sheets for such preparation.

Signs and warning notices: not applicable

Recalls R: not applicable

Recalls S: not applicable

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Other laws to protect humans or environment:

- ✓ Law of 11 January 2001. of chemical substances and preparations (Journal of Laws No. 11 of 2001, item 84, as amended)
- ✓ Regulation of the Minister of Health of 3 July 2002 on the list of dangerous substances with their classification and labelling (Journal of Laws No. 129 dated 14 August 2002, item 1110)
- ✓ Regulation of the Minister of Health of 3 July 2002 on the MSDS and Data Sheet (Journal of Laws No. 140, 3 September 2002, item 1171)
- ✓ Regulation of the Minister of Health of 2 September 2003 on criteria and classification of chemical substances and preparations (Journal of Laws No. 171, item. 1666)
- ✓ Regulation of the Minister of Health of 14 August 2002 on the obligation to provide safety data sheets where preparations are not classified as hazardous (Journal of Laws No. 142 of 6 September 2002, item 1194)
- ✓ Law of 26 June 1974, Labour Code (Journal of Laws No. 21 of 1998, item 94, as amended)
- ✓ Regulation of the Minister of Labour and Social Policy of 26 September 1997 on general safety and hygiene (Journal of Laws No. 129 of 1997, item 844 (see point 7))
- ✓ Regulation of the Minister of Internal Affairs of 3 November 1992 on fire protection of buildings, other structures and areas (Journal of Laws No. 92 of 1992, item 460, as amended (Journal of Laws No. 102 of 1995 item 507))
- ✓ Law of 28 October 2002 on road transport of hazardous materials (Journal of Laws No.199 of 2002, item 1671)
- ✓ Government Statement of 24 September 2002 on the entry into force of amendments to Annexes A and B
- ✓ European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (Journal Laws No. 194 of 2002, item 1629)
- ✓ ADR provisions - legal regime as from January 1, 2003. (See point 14)
- ✓ Regulation of the Minister of Transport and Maritime Economy of 15 June 1999 on road transport of hazardous materials (Journal of Laws No. 57 of 1999, item 608 (amendment Journal of Laws No. 14 of 2001, item 141))
- ✓ Law of 27 April 2001 on waste (Journal of Laws No. 62 of 2001, item 628) together with the Regulation of the Minister of the Environment (Journal of Laws No. 152 of 2001, items 1735-1737) (see point 13)
- ✓ Law of 11 May 2001 on packaging and packaging waste (Journal of Laws No. 63 of 2001, item 638 (see point 13))
- ✓ Regulation of the Minister of Environment dated 27 September 2001 on waste Journal of Laws No. 112 of 2001, item 1206 (see point 13)
- ✓ Regulation of the Council of Ministers of 9 November 1999 on goods manufactured in Poland as well as goods imported into Poland for the first time that may pose a threat or used to protect or save life, health or the environment, subject to the certification for safety mark and on marking with the mark as well as on goods subject to the issue of the manufacturer's declaration of conformity (Journal of Laws No. 5 of 2000, item 53 (see item 8))
- ✓ Regulation of the Council of Ministers of 9 January 2002 on basic requirements for personal protective equipment (Journal of Laws No. 4 of 2002, item 37 (see item 8))

Regulation of the Minister of Health and Social Welfare of 30 May 1996 on conducting medical tests of employees, the scope of preventive health care for employees and medical certificates issued for the purposes stated in the Labour Code (Journal of Laws No. 69 of 1996, item 332, as amended)

Regulation of the Minister of Health and Social Welfare of 9 July 1996 on tests and measurements of harmful factors in work environment (Journal of Laws No. 86 of 1996, item 394 (see item 8))

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Regulation of Minister of Labour and Social Policy of 29 November 2002 on maximum permissible concentration and intensity of harmful factors in the work environment (Journal of Laws No. 217 of 2002, item 1833) (see item 8).

16. OTHER INFORMATION

The above information is based on our current knowledge and refers to the product in the form in which it is used. The data concerning this product are presented in order to take into account the safety requirements and not to guarantee its special properties. The information given in the Safety Data Sheet applies to all fractions of the microballs, sold under the name "glass microballs".

Where the conditions of use of the product are not under the control of the manufacturer, the responsibility for the safe use of the product, and in particular the observance of the law is on the side of the user.

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