



ARTGLAS RECYKLING ZBIGNIEW LENK

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Safety Data Sheet for AGR M100 – Glass Powder

*Safety Data Sheet in compliance with the requirements of Regulation (EC) No 1907/2006
of the European Parliament*

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1. IDENTIFICATION OF THE PRODUCT

Trade name	AGR M100 – Glass Powder
Application	For the production of cleaning agents and ceramic products, for abrasive-blasting processes

2. HAZARD IDENTIFICATION

Product classification:

The product is not classified as a hazardous substance

Hazard to humans:

If the quantity limits of airborne dust particles are exceeded (dust concentration), it may cause respiratory or eye irritation.

Skin contact: the product does not irritate the skin

Ingestion: effects unknown

Environmental protection:

Glass powder is generally treated as solid waste, for which no special disposal methods are required.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients contained in the product:

According to the manufacturer's declaration, the product does not contain hazardous substances in concentrations above threshold levels. The product is entirely composed of soda-lime glass with an oxide composition:

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Oxide composition	Percentage %	CAS number	EC number	Remarks
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	
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	

Treatment, if applicable, does not exceed 0.1% by volume/weight.

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

CAS number and EINECS number – not applicable

4. FIRST AID MEASURES

Inhalation:

Avoid inhaling product dust. Leave the contaminated area. Move the affected person to fresh air, ensure warmth and calm. Seek medical attention if any symptoms persist. Show the label or safety data sheet of the product.

Skin:

Wash contaminated skin with water and soap. Consult a doctor if skin irritation appears or persists.

Eyes:

Ensure the affected person is not wearing contact lenses. Remove contact lenses. Rinse eyes with clean water. Consult a doctor if eye irritation appears or persists.

Special first aid measures:

None required.



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5. FIRE-FIGHTING MEASURES

Recommended extinguishing media:

The product is non-flammable. Commonly used extinguishing media may be applied depending on the surroundings.

Unsuitable extinguishing media:

None known.

Specific hazards from combustion products and emitted gases:

None.

Special protective equipment for firefighters:

Such measures are not required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Prevent the generation and accumulation of product dust. Ensure adequate ventilation in work areas. Avoid contact with eyes. Wear respirators if ventilation is insufficient.

Environmental precautions:

No special waste disposal methods required. Store or dispose of according to local regulations for non-hazardous waste.

Methods for cleaning up/disposal:

Collect spilled, uncontaminated product for reuse. Collect contaminated product into labeled waste containers. Use a vacuum cleaner for cleaning (collection).

7. HANDLING AND STORAGE

Handling:

Follow general safety and hygiene regulations at work; avoid inhaling dust and contact with eyes. Wear respirators if ventilation is insufficient. No special precautions are required regarding human health.



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Storage:

Store the product tightly closed in its original container in a dry area. Ensure proper general or local ventilation. Avoid moisture, as the large surface area may cause surface dampness and clumping.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional recommendations for engineering controls:

Ensure adequate ventilation in production areas and workplaces.
Follow general safety and hygiene regulations applicable to handling chemical products.

Respiratory protection:

Ensure adequate ventilation in work areas. Wear respiratory protection if ventilation is insufficient or if exposed to concentrations above occupational exposure limits in the work environment.

Skin protection:

Wear suitable protective gloves.

Eye protection:

Wear tight-fitting safety goggles.

Body protection:

Wear appropriate protective clothing. Keep protective clothing fastened. In case of skin contamination, thoroughly wash affected skin.

NOTE: The protective equipment used must comply with the requirements of the Council of Ministers Regulation of November 9, 1999, on the list of products manufactured in Poland and imported into Poland for the first time that may pose a hazard or are intended to protect or save life, health, or the environment, subject to certification for the safety mark and marking with this symbol, as well as products subject to the obligation of the manufacturer's declaration of conformity (Journal of Laws No. 5/2000, item 53).

Essential requirements for personal protective equipment, conditions, and methods for conformity assessment of personal protective equipment, as well as the manner and model of their marking, are specified in the Council of Ministers Regulation of January 9, 2002, on essential requirements for personal protective equipment (Journal of Laws No. 4/2002, item 37).

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The employer is obliged to ensure that personal protective equipment and work clothing and footwear have protective and functional properties and to provide for appropriate washing, maintenance, repair, and disinfection.

9. PHYSICOCHEMICAL PROPERTIES

Form	Solid – glass powder, glass granules, colorless, odorless
Specific gravity	Approximately 2.50 g/cm ³
Hardness (Mohs scale)	6
Softening temperature	Approximately 750°C
Solubility in water	Insoluble
Flash point, self-ignition	Non-flammable product

10. STABILITY AND REACTIVITY

Conditions to avoid:

The product is stable under recommended handling and storage conditions.

Reactivity:

None known under recommended use conditions.

Hazardous decomposition products: not applicable

11. TOXICOLOGICAL INFORMATION

Direct health hazards: does not pose a health hazard

Respiratory and eye irritation: may only occur if dust concentration limits are exceeded.

Skin irritation: not applicable

12. ECOLOGICAL INFORMATION

Durability: glass powder and glass granules are considered durable, harmless waste classified as "non-hazardous"; no special protective measures are required.

Ecotoxicity: not applicable

13. WASTE DISPOSAL

Comply with the Act of May 27, 2001, on packaging and packaging waste (Journal of Laws No. 63, item 638, as amended).

Waste classification according to the Regulation of the Minister of Environment of September 27, 2001, on the waste catalog (Journal of Laws No. 112, item 1206).

Not specified



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Waste disposal method:

Waste disposal method to be agreed with the competent local Environmental Protection Department.

14. TRANSPORT INFORMATION

Road and rail transport ADR/RID according to the Government Declaration of September 24, 2002, on the entry into force of amendments to Annexes A and B of the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957 (Journal of Laws No. 194/2002, item 1629), and the Act of October 28, 2002, on the transport of dangerous goods by road (Journal of Laws No. 199/2002, item 1671):

Not classified as hazardous material

Inland water transport ADN/ADNR:

Not classified as hazardous material

Maritime transport IMO/IMDG:

Not classified as hazardous material

Air transport ICAO/IATA:

Not classified as hazardous material

15. REGULATORY INFORMATION

All work with this product must be carried out in accordance with the provisions of Part IV, Chapter 6, letter D of the Regulation of the Minister of Labor and Social Policy of September 26, 1997, on general safety and hygiene regulations 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, comply with the Regulation of the Minister of Internal Affairs of November 3, 1992, on fire protection of buildings, other structures, and areas (Journal of Laws No. 92, item 460, as amended in Journal of Laws from 1995, No. 102, item 507).

In accordance with the Regulation of the Minister of Health of August 14, 2002, on the obligation to provide a safety data sheet for certain preparations not classified as hazardous (Journal of Laws No. 142, item 1194), persons introducing a preparation not classified as hazardous to the market in the territory of the Republic of Poland are required, upon request by a professional user, to provide a safety data sheet for such a preparation.

Warning signs and labels: not applicable

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R-phrases: not applicable

S-phrases: not applicable

Other regulations concerning human or environmental protection:

- ✓ Act of January 11, 2001, on chemical substances and preparations. Journal of Laws No. 11/2001, item 84, as amended.
- ✓ Regulation of the Minister of Health of July 3, 2002, on the list of hazardous substances, along with their classification and labeling (Journal of Laws No. 129 of August 14, 2002, item 1110).
- ✓ Regulation of the Minister of Health of July 3, 2002, on the safety data sheet of hazardous substances and preparations (Journal of Laws No. 140 of September 3, 2002, item 1171).
- ✓ Regulation of the Minister of Health of September 2, 2003, on the criteria and methods for classification of chemical substances and preparations (Journal of Laws No. 171, item 1666).
- ✓ Regulation of the Minister of Health of August 14, 2002, on the obligation to provide a safety data sheet for certain preparations not classified as hazardous (Journal of Laws No. 142 of September 6, 2002, item 1194).
- ✓ Act of June 26, 1974, Labor Code (consolidated text: Journal of Laws No. 21/1998, item 94; as amended).
- ✓ Regulation of the Minister of Labor and Social Policy of September 26, 1997, on general safety and hygiene regulations at work. Journal of Laws No. 129/1997, item 844 (see item 7).
- ✓ Regulation of the Minister of Internal Affairs of November 3, 1992, on fire protection of buildings, other structures, and areas. Journal of Laws No. 92/1992, item 460, as amended in Journal of Laws No. 102/1995, item 507.
- ✓ Act of October 28, 2002, on the transport of dangerous goods by road. Journal of Laws No. 199/2002, item 1671.
- ✓ Government Declaration of September 24, 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), drawn up in Geneva on September 30, 1957. Journal of Laws No. 194/2002, item 1629
- ✓ ADR regulations - legal status as of January 1, 2003 (see item 14).
- ✓ Regulation of the Minister of Transport and Maritime Economy of June 15, 1999, on the transport of dangerous goods by road. Journal of Laws No. 57/1999, item 608 (amended in Journal of Laws No. 14/2001, item 141).
- ✓ Act of April 27, 2001, on waste (Journal of Laws No. 62/2001, item 628) with Regulations of the Minister of Environment (Journal of Laws No. 152/2001, items 1735-1737) (see item 13).



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- ✓ Act of May 11, 2001, on packaging and packaging waste. Journal of Laws No. 63/2001, item 638 (see item 13).
- ✓ Regulation of the Minister of Environment of September 27, 2001, on the waste catalog. Journal of Laws No. 112/2001, item 1206 (see item 13).
- ✓ Regulation of the Council of Ministers of November 9, 1999, on products manufactured in Poland, as well as those imported into Poland for the first time, which may pose a hazard or are intended to protect or save life, health, or the environment, subject to certification for the safety mark and marking with this symbol, as well as products subject to the obligation of the manufacturer's declaration of conformity. Journal of Laws No. 5/2000, item 53 (see item 8).
- ✓ Regulation of the Council of Ministers of January 9, 2002, on essential requirements for personal protective equipment. Journal of Laws No. 4/2002, item 37 (see item 8).

Regulation of the Minister of Health and Social Welfare of May 30, 1996, on conducting medical examinations for employees, the scope of preventive health care for employees, and medical opinions issued for purposes provided for in the Labor Code. Journal of Laws No. 69/1996, item 332, with later amendments.

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

Regulation of the Minister of Labor and Social Policy of November 29, 2002, on the maximum allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws No. 217/2002, item 1833) (see item 8).

16. OTHER INFORMATION

The above information is compiled based on the current state of knowledge and pertains to the product in the form in which it is used. The data provided for this product is intended to address safety requirements and does not guarantee any specific properties. The information in this sheet applies to all fractions of glass beads sold under the name "glass beads."

If the conditions of product use are not under the manufacturer's control, responsibility for the safe use of the product, particularly compliance with legal regulations, lies with the user.

Date of update: 01.12.2010
