

Voluntary Product Information

based on the format of a safety data sheet

for inorganic bonded abrasives

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Vitrified grinding wheel

1.2 Use of the product

Inorganic bonded abrasives for the grinding/sanding of different kinds of materials.

1.3 Details of the supplier of the voluntary product information:

Company: Molemab S.p.A.

Address: via Provinciale 10 25050 Ome Brescia Italia

Phone: +39 030 6859888 Fax: +39 030 652010

E-mail: molemab@molemab.it

E-mail of the competent person: sds@molemab.it

1.4 Emergency telephone number:

+39 030 6859888

2. HAZARDS IDENTIFICATION

2.1 Classification:

Not applicable. Abrasives are articles and not dangerous substances or mixtures according to directive 1999/45/EC or Regulation (EC) N° 1272/2008.

See also section 8 and 16.

2.2 Label elements:

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to directive 1999/45/EC or Regulation (EC) N° 1272/2008.

2.3 Other hazards: not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains the following ingredients which are classified according to 67/548/EEC or Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

| Substance | EC-N° | CAS-N° | Conc. | Classification acc. to Regulation (EC) N° 1272/2008 (CLP) | | Classification acc. to Directive 67/548/EEC |
|-----------|-------|--------|-------|--|-------------------|--|
| | | | | Hazard classes/hazard categories | Hazard statements | |
| - | | | | | | |

4. FIRST AID MEASURES

see also section 8 and 16

4.1 Description of first aid measures:

Inhalation: not possible, due to the form of the product

Eye contact: not possible, due to the form of the product

Skin contact: no harmful effects known

Ingestion: not likely, due to the form of the product; if necessary contact physician

Note to physician: not available

4.2 Most important symptoms and effects, both acute and delayed: not known

4.3 Indication of any immediate medical attention and special treatment needed: not relevant. Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: water, foam, sand, powder or CO₂ as appropriate for surrounding materials.

5.2 Special hazards arising from the product: toxic fumes may occur. Use respiratory protective equipment.

5.3 Advice for fire fighters: extinguishing materials should be selected according to the surrounding area.

6. ACCIDENTAL RELEASE MEASURES

Not applicable.

7. HANDLING AND STORAGE

Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

Occupational exposure limit values and/or biological limit values: keep exposure to the following components under surveillance (observe also the regional official regulations):

| limit value type (country of origin) | Substance | EC-N° | CAS-N° | Occupational limit value | | | | Peak limit | Source, remark |
|--------------------------------------|-----------|-------|--------|--------------------------|-------------------------|-------------------|-------------------------|------------|----------------|
| | | | | Long term | | Short term | | | |
| | | | | mg/m ³ | ml/m ³ (ppm) | mg/m ³ | ml/m ³ (ppm) | | |
| | - | | | | | | | | |

Note: hazardous dust of the workpiece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

8.2 Exposure controls:

Individual protection measures:

- Respiratory protection: use respiratory protective equipment (type depends on specific application and material being ground)
- Hand protection: wear protective gloves (type depends on specific application and material being ground)
- Eye protection: wear protective goggles or face shield (type depends on specific application and material being ground)
- Hearing protection: use hearing protection (type depends on specific application and material being ground)
- Body protection: use protective clothing (type depends on specific application and material being ground)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

- Physical state: solid
- Colour: variable
- Solubility in water: n.d.

9.2 Other information: none

10. STABILITY AND REACTIVITY

10.1 Reactivity: inorganic bonded abrasives are stable when handled or stored correctly.

10.2 Chemical stability: no decomposition in normal use.

10.3 Possibility of hazardous reactions: no dangerous reactions known.

10.4 Conditions to avoid: inorganic bonded abrasives are stable when handled or stored correctly.

10.5 Incompatible materials: no dangerous reactions known.

10.6 Hazardous decomposition products: no hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects: no toxicological effects if inhaled or swallowed or with eye or skin contact are known. See also section 8 and 16.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: no effects known

12.2 Persistence and degradability: no biodegradable potentials known

12.3 Bioaccumulative potential: no potentials known

12.4 Mobility on soil: no potentials known

12.5 Results of PBT and vPvB assessment: not relevant

12.6 Other adverse effects: no effects known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

- Product: follow national and regional regulations. Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121)
- Packing: follow national and regional regulations.

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the product: No specific labelling requirements under respective EC directive.

15.2 Chemical safety assessment: not relevant

16. OTHER INFORMATION

16.1 Changes to the previous versions: -

16.2 Literature and data sources:

- Directive (1999/45/EC), amended by Regulation (EC) N°1907/2006
- Directive (67/548/EC), amended by Directive 2009/2/ EC
- REACH Regulation (EC) N° 1907/2006, amended by Regulation (EC) N° 552/2009
- Regulation (EC) N° 1272/2008, amended by Regulation (EC) N° 790/2009
- Directive 2000/39/EC, amended by Directive 2009/161/ EC
- Directive 75/324/EC, amended by Regulation (EC) N° 219/2009
- Transport regulations according to ADR, RID and IATA.

16.3 Hazard statement referred to in section 2 and 3:

- According to Regulation (EC) N° 1272/2008: n.d.
- According to Directive 67/548/EEC: n.d.

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.

Issued by: technical office
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