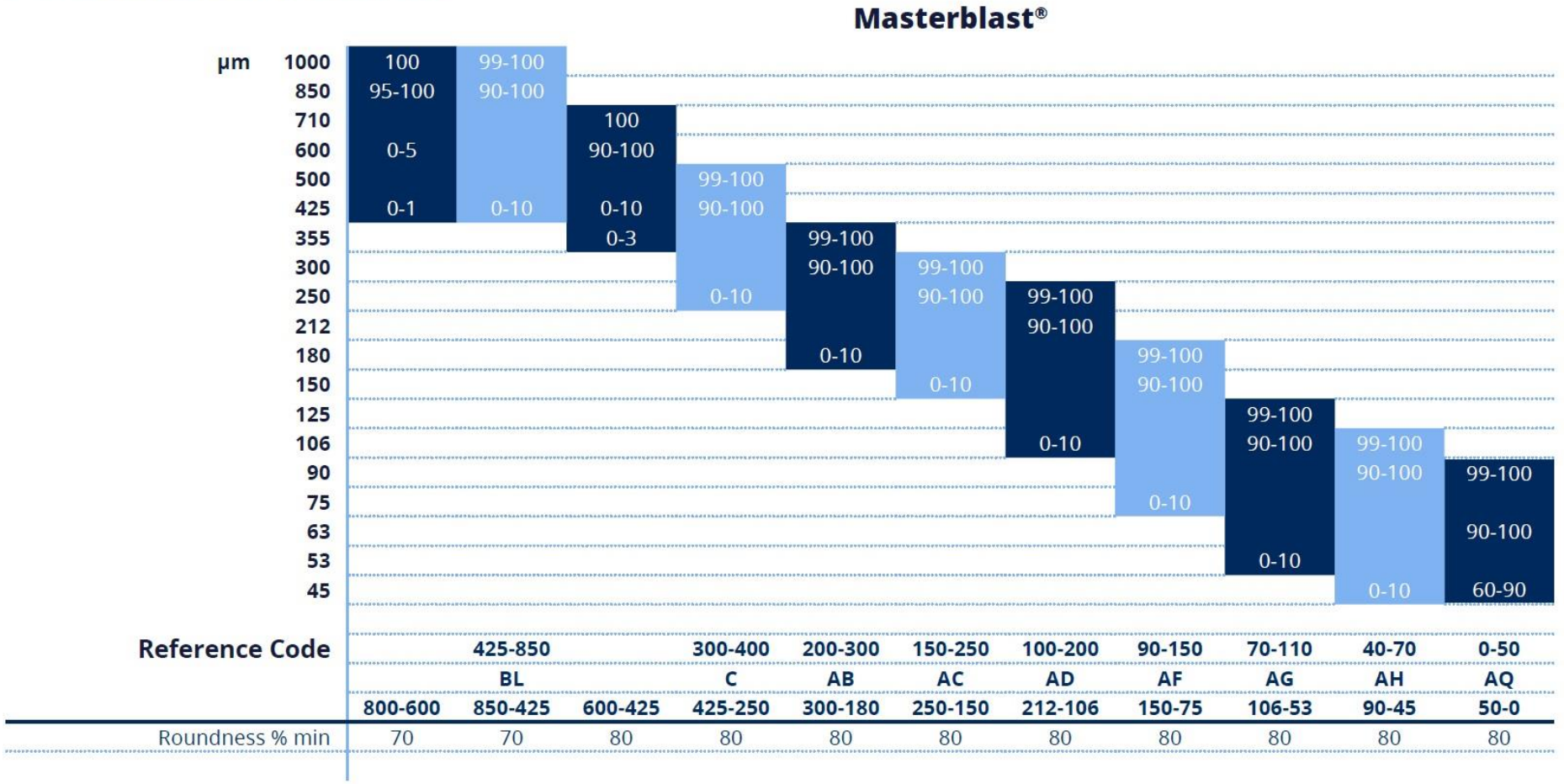
ΠΙΣΤΟΠΟΙΗΤΙΚΑ ΥΑΛΟΣΦΑΙΡΙΔΙΟΥ

26 Ιουλίου 2023

ΝΕΟΔΥΝΑΜΙΚΗ ΕΠΕ
Μηχανήματα Αμμοβολής Βαφής & Επιμετάλλωσης

1. ΔΙΑΘΕΣΙΜΕΣ ΚΟΚΚΟΜΕΤΡΙΕΣ

Main use | Surface finishing: blasting, shot peening, cleaning, deburring, ... |
Particle size distribution |



2. ΧΗΜΙΚΗ ΑΝΑΛΥΣΗ

Chemical composition

Free silica : 0%

Sodalime glass compostition	Percentage
SiO_2	70 to 75 %
Na_2O	12 to 15 %
K_2O	< 1,5 %
CaO	7 to 12 %
MgO	< 5 %
Fe_2O_3	< 0,5 %
Al_2O_3	< 2,5 %
SO_3	< 0,5 %

- **Angular particles** I max 3% I
- **Softening point** I 730°C (1346°F) I
- **Annealing point** I 550°C I (1022°F) I
- **Absolute specific gravity** I 2,46 I
- **Refraction index** I 1,51-1,52 I
- **Apparent density** I 1,50-1,60 I
- **Mohs hardness** I 6 I
- **Rockwell hardness** I 47Rc I
- **Knoop hardness (100g load)** I 515 Kg/mm² I
- **Resistance to humidity** I
- **Packaging** I Multilayer paper bag with polyethylene inner liner bag I net weight: 25 kg I pallet: 1 ton I
- **User advices** I Contact us for any questions I

3. ΕΡΓΑΣΤΗΡΙΑΚΟΣ ΕΛΕΓΧΟΣ

NEODYNAMIKI LTD
neodynamiki@otenet.gr

Sales order : SOIBE20-0432
Delivery note : DNIBE20-0619
Product number : 24000A002A00
Product description : 100-200 Paper bag 25 Kg - 1t Pallet 1x1T

Customer requisition :02/2020

Batch number				**2020308335**
Control date			QCI20-1752	27/05/2020
250		Specification		Test result
	%	Min	Max	
	250	99,0000	100.000	99.9300
212		Specification		Test result
	%	Min	Max	
	212	90,0000	100.000	98.8500
106		Specification		Test result
	%	Min	Max	
	106	0,0000	10.000	1.2000
% Defective glass beads		Specification		Test result
	%	Min	Max	
	% Defective Camsizer	0,0000	20.000	5.5000

CASTELLBISBAL, 27/05/2020

Quality manager

ΝΕΟΔΥΝΑΜΙΚΗ ΕΠΕ
Μηχανήματα Αμμοβολής Βαφής & Επιμετάλλωσης

4. MSDS 1/3

Material Safety Data Sheet for Glass Beads used in Blasting

Based on Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

1. Identification of the substance

1.1. Identification of the substance or preparation

All glass beads with commercial names Microbeads® and Glas Shot®.

1.2. Use of the substance or preparation

Glass beads used as blasting materials.

2. Hazards Identification

This product is not considered as a dangerous preparation according to the classification rules as set out in Directive 1999/45/EC. This product is inert.

3. Composition and Information on Ingredients

The product is composed of soda-lime glass (CAS: 65997-17-3; EINECS: 266-046-0) without any free silica. If the glass beads have a surface coating, then the concentration of this coating is below 1% by weight.

4. First Aid Measures

Skin contact: powder may cause drying of the skin with repeated or prolonged contact. Wash immediately with lots of water and soap.
Eye contact: treat symptomatically for mechanical irritation. Flush lightly with water to remove dust.
Inhalation: temporary discomfort to upper respiratory tract may occur due to inhalation of high dust levels. In this case, remove exposed individual to fresh air.
Ingestion: no adverse effects expected.

5. Fire-Fighting Measures

Glass beads are non-flammable and not explosive products. Glass beads will not form any explosive or inflammable blends.

6. Accidental Release Measures

To eliminate this product, the usual cleaning equipment (brush, shovel) is recommended. In storage and working areas, avoid spilling as this will make floors very slippery.

7. Handling and Storage

7.1. Handling

4. MSDS 2/3

From a safety point of view, this product involves no specific risks for the health of operators. Nevertheless, to guarantee the quality and the stability of the product, we recommend transporting and handling of the product at ambient temperatures. There is no risk of electrostatic discharge.

7.2. Storage

From a safety point of view, this product involves no specific risks for the health of operators. Nevertheless, to guarantee the quality and the stability of the product, we recommend storage of the product at ambient temperatures. Keep product in closed bag, away from humidity, in a well ventilated area if possible and avoid big differences in temperature which could cause the product to form agglomerates.

8. Exposure Controls and Personal Protection

8.1. Exposure limit values

TLV TWA: 10 mg/m³. (Value for particulate matter containing no asbestos and < 1% crystalline silica, inhalable fraction). (ACGIH)
TLV TWA: 3 mg/m³. (Value for particulate matter containing no asbestos and < 1% crystalline silica, respirable fraction). (ACGIH)
(TLV Threshold Limit Value; TWA Time-Weighted Average)

8.2. Exposure control

8.2.1. Occupational exposure controls

When exposure cannot be avoided through adequate ventilation at the work station, and concentrations are lower or equal to 10 times TWA limits, operators are recommended to wear half-mask particulate respirators with N-, R-, or P- series filter and 95, 99, or 100% efficiency. When concentrations are lower or equal to 25 times the TWA limits, operators are recommended to wear powered air purifying respirators equipped with a hood or helmet, and any type of particulate filter.

8.2.2. Environmental exposure controls

Not applicable.

9. Physical and Chemical Properties

9.1. General information

Appearance: white powder, solid at 20°C.
Odour: odourless

9.2. Other information

Softening point: approximately 650° C
Melting point >1350° C
Specific gravity: 2,5 g/cm³
Bulk density ranges from 1.0 to 1.8 g/cm³ depending of the particle size distribution of the product.
Solubility: glass beads are not soluble, except in hydrofluoric acid.

4. MSDS 3/3

10. Stability and reactivity
The glass beads are chemically stable under normal operating conditions. At about 650°C, the glass bead s will soften, however without decomposing.

11. Toxicological Information
11.1. Acute effects
Acute inhalation: no acute effects expected. Based on our experience, temporary discomfort or mechanical irritation to upper respiratory tract may occur due to inhalation of high dust concentrations.
Acute ingestion: no adverse effects expected.
Acute skin contact: no adverse effects expected.
Acute eye contact: high dust concentrations may cause mechanical irritation.

11.2. Chronic effects
The International Agency for Research on Cancer (IARC) and the American Conference of Governmental Industrial Hygienists (ACGIH) have not evaluated this product as a carcinogenic preparation.

12. Ecological Information
Inert product. Not soluble in water.

13. Disposal Considerations
Dispose of with usual cleaning equipment. Discharge together with other inert waste.

14. Transport Information
Customs number: 70182000.000.OW; Air freight (OACI/IATA): not classified; Transport by rail and road (RTMDR/F, ADR/RID): not classified; Maritime transport (IMDG): not classified; Inland transport (ADNR and ADN): not classified.

15. Regulatory Information
A Chemical Safety Assessment has not been carried out on this product.
No community regulations are applicable to this product. However, the information provided in this safety data sheet must not exempt the user from adhering to the national or local current regulations.

16. Other Information