

Jota Safety Data Sheet

Acc. to 91/155 / EWG Jota-SDS: Ker_e.doc

1 PRODUCT AND COMPANY IDENTIFICATION

1.1	Product details	small abrasives
	Trade name:	ceramic bonded abrasives

1.2Particulars of manufacturer/ supplier
Manufacturer/ supplierJOTA AG
Hirschensprungstr. 2 / Postfach 56
Country code/ postcode/ city:
Telephone:JOTA AG
Hirschensprungstr. 2 / Postfach 56
CH-9464 Rüthi-SG
0041 (0)71 / 767 79 99
O041 (0)71 / 767 79 97
Competent department:
Telephone:Out (0)71 / 767 79 97
Quality assurance
0041 (0)71 / 767 79 54

0041 (0)71 / 767 79 97 Quality assurance 0041 (0)71 / 767 79 54 Ivoclar Vivadent Pty 1- 5 Overseas Drive Noble Park North VIC 3174 Tel: + 61 3 9795 9599 Fax: + 61 3 9795 9645 Email: info@ivoclarvivadent.com 13 11 26 Poisons Hotline (24 hours / 7 days)

1.3 Emergency phone number:

Importer:

2 <u>COMPOSITION/ INFORMATION ON COMPONENTS</u>

2.1 <u>Chemical characterization:</u> <u>Chemical description:</u>

ceramic bonding Al₂ O₃

2.2 Hazardous components

If used properly and according to current knowledge, it is not expected that the components of this product will represent a hazard. Marking: none

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3 POSSIBLE HAZARDS

3.1 Hazard identification

Provided that the standard safety precautions for small rotary abrasives and the general accident prevention precautions are observed and the personal protection outfit is used correctly, no particular hazards are known.

4 FIRST-AID MEASURES

4.1 General hints: refer to 'VBG 103'

4.2 After inhalation:

Fresh air, under normal circumstances no further measures are required. Should symptoms persist, consult a doctor.

4.3 After skin contact:

In case of allergic reaction, use protective gloves and special skin protection salve.

4.4 After eye contact:

Rinse thoroughly with water , then consult an eye specialist immediately.

- 4.5 After ingestion: consult a doctor
- 4.6 Hints for doctors:

5 FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media:
- 5.2 Extinguishing media unsuitable for safety reasons:
- 5.3 Particular hazards by the material, its combustion products or released gases:
- 5.4 Special protection outfit:
- 5.5 Additional hints:



6 **MEASURES FOR ACCIDENTAL RELEASE**

6.1 **Personal precautions:**

- 6.2 **Environmental precautions:** no negative ecological effects known
- 6.3 Methods for cleaning/ disposal:
- 6.4 Additional hints:

7 HANDLING AND STORAGE

7.1 Handling:

refer to 'VBG 103' Hints for safe use: Personal protection outfit: protective glasses protective gloves in case of regular, prolonged or intense skin Hand protection: contact machine suction of the grinding dust

Respiratory protection:

7.2 Storage Storage conditions for warehouse and containers:

Hints for storage with other goods:

Storage class: Storage stability:

Use only containers designed specially for this material/ product. Ventilate the area adequately. Do not store in one place with oxidizing agents.

not applicable

if possible, at temperatures between + 5° C and + 50° C

8 EXPOSURE LIMITS AND PERSONAL PROTECTION OUTFIT

8.1 Additional hints for the design of technical plants

8.2 Components with limits as to work area which must be monitored Note: Observe the general accident prevention regulations, especially concerning the circumferential speed respectively the maximum permissible speed of rotation for ceramic bonded instruments.

8.3 Personal protection outfit

General protective and hygienic measures: Persons with an allergic predisposition against grinding dust should avoid regular, prolonged or intense skin contact. If necessary, use your personal protection outfit. Clean and care for the skin. Do not eat, drink, smoke or sniff while working.

Respiratory protection: Use a dust suction machine.

Hand protection: Provided that safety regulations permit this, in case of intense skin contact we recommend wearing protective gloves made of suitable plastic or synthetic rubber, otherwise apply a special skin protection salve.

Eye protection: tightly-fitting protective glasses

Body protection: Clean and care for the skin after work.



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9 PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 Form:	solid
9.1.2 Colour:	metallic
9.1.3 Odour:	none
9.2 Flammability:	non-flammable if used properly
9.3 Melting temperature:	1700 - 2500°C
9.4 Spontaneous combustion:	none
9.5 Risk of explosion:	none
9.6 Explosion limits:	not applicable
9.7 Density (T = 15° C):	1.27 - 3.96 g/cm ³
9.8 Solubility in water (T = 20° C):	virtually insoluble
9.9 pH-value:	(on g/H2O) 3 - 8
9.10 Viscosity:	not applicable
9.11 Flash point:	not applicable
9.12 Thermal decomposition:	600° C (H2O - dissolution)

9.13 Further details:

10 STABILITY AND REACTIVITY

10.1 Conditions to avoid: no decomposition if used properly

10.2 Materials to avoid:

Strong oxidation material. The ceramic bonding reacts in contact with heavy basic (PH-value > 10) liquid mediums.

10.3 Hazardous decomposition products: none if used and stored properly

10.4 Further details:

11 INFORMATION ON TOXICOLOGY

11.1 Acute toxicity: <u>Specific symptoms in animal tests</u>: no data available Primary irritant effect: no data available

- Instruction
 Subacute/ chronic toxicity

 Long-terms tests:
 no data available

 Experience with humans:
 no data available
- 11.3 Additional toxicological hints:



12 INFORMATION ON ECOLOGY

- **12.1 Information on elimination** (persistence and degradability) Penetration in soil or inshore waters is harmless due to the chemical degradability (long-term decomposition).
- **12.2 Behaviour in environmental areas** Product sinks in water.

12.3 Eco-toxicological effects

Marine toxicity penetration in waters harmless. Behaviour in sewage purification plants: can be eliminated from water by mechanical separation.

12.4 Further ecological hints

13 HINTS FOR DISPOSAL

13.1 Product

Recommendation: no need for special disposal

13.2 Packaging

Recommendation: deliver to a licensed waste disposal company

14 TRANSPORT REGULATIONS

no hazardous goods as per regulations

15 REGULATIONS

15.1 Marking

<u>Hazard symbol and warning:</u>	not required
<u>Hazardous components requiring labelling:</u>	none
Hazard codes:	none
<u>Safety codes:</u>	none
Marking acc. to Appendix II of the EU:	none
Preparation Guidelines:	none

15.2 National regulations

16 FURTHER DETAILS

The information given herein is based on the present state of our knowledge. It is intended to describe our product with regard to safety requirements and is not meant to assure any specific product properties.