

MATERIAL SAFETY DATA SHEET

1. Chemical Product and company identification

Identification of the product

Product name: Procera® AllCeram core material

Manufacturer/supplier identification

Company: 1. Procera Sandvik Inc, 18-72 McBride Ave, Fair Lawn,
NJ, 07410, USA
2. Procera Sandvik AB, 12680, Stockholm, Sweden

Telephone number: 1. (201)398-7411
2. +46 8 7266 300

2. Chemical composition/information on ingredients

Composition: > 99,5% Al₂O₃, 500 ppm MgO

3. Hazard identification

Not a hazardous product as specified in Council Directive 93/42EEC

4. First-aid procedures

After skin contact: —
After eye contact: After grinding, rinse with plenty of water for at least 10
minutes with the eyelid held wide open. Consult a physician.
After inhalation: After grinding, move to fresh air.
After swallowing: Drink plenty of water

5. Fire-fighting procedure instructions

Not flammable

6. Accidental release measures

No harmful release

7. Handling and storage

Handling: No further requirements
Storage: No further requirements

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8. Exposure controls/personal protection

Specific control parameters

| | |
|-------------------------|--|
| Respiratory protection: | Required when dust is generated |
| Eye protection: | Required when grinding |
| Hand protection: | — |
| Industrial hygiene: | Wash hand after grinding the core material |

9. Physical and chemical properties

| | |
|--------------------------------------|--------------------------|
| Form: | Solid |
| Color: | White |
| Odor: | Odorless |
| Melting range: | > 2000°C |
| Boiling point: | > 2000°C |
| Ignition temperature: | No information available |
| Flash point: | No information available |
| Explosion limit _{lower} : | Non explosive |
| Explosion limit _{higherr} : | Non explosive |
| Density: | 3.96 g/cm ³ |
| Solubility in water: | Insoluble |

10. Stability and reactivity

Condition to be avoided

None

Substances to be avoided

None

Hazardous decomposition products

None

11. Toxicological information

| | |
|---------------------------|---|
| Acute toxicity: | Non-toxic |
| Primary irritant effects: | - |
| After eye contact: | Dust during grinding may cause irritation |
| After skin contact: | No irritation |
| After inhalation: | Dust during grinding may cause irritation |
| After swallowing: | May cause irritation |
| Sensitization: | No sensitization effect known |

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When used and handled according to specification, the product does not have any harmful effects according to our experience and the information supplied to us.

12. Ecological information

No ecological problems are to be expected

13. Disposal

Product: The product contains 99,5% aluminum oxide and can not cause any harm to the environment

Packing: Disposal in compliance with official regulations

14. Transportation

Not subjected to transportation regulations.

15. Regulations

Labeling as specified in Council Directive 93/42EEC for custom made class 2a products.

16. Other information

Date of issue: 4.02.99

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee for the properties of the product.