



MATERIAL SAFETY DATA SHEET

Product Identity:

BUTTERFLY DISCS

Manufacturer: Dental Ventures of America, Inc.
1787 Pomona Rd., Suite I
Corona, CA. 92880

Emergency Telephone Number: Infotrack: (800) 535 - 5053
Product Information: 951.270.0606

SECTION I. Identification

ORIGINATED: JUNE , 2011

Grinding wheels for cutting and forming porcelain, steel or other alloys utilized in the fabrication of prosthodontic restorative appliances. The wheels or discs can be mounted onto mandrels and used with power tools at an rpm speed of 50,000 or less. The wheels are available in an assortment of colors and sizes for specific dental tasks.

SECTION II. Composition/Information on Ingredients

The grinding wheels consist of primarily AL₂O₃, with small amounts of metallic oxides including <0.09% SiO₂ diamonds, bonded with resins and glass fiber.

SECTION III. Hazardous Ingredients/Identity Information

The product does not contain any substances classified as hazardous.

SECTION IV. First Aid Measures

- Symptoms and implications: the dust produced while working with grinding wheels may cause the irritation of the mucous membrane of the nose, oesophagus and redness of the conjunctiva.
- Measures taken according to the route of exposure:
 - *eye contact*: rinse out with plenty of water for about 15 minutes with the eyelid held wide open. Call in an ophthalmologist if necessary.
 - *skin contact*: remove the contaminated clothing, wash off with plenty of water.
 - *inhalation*: take the victim away from the source of exposure, ensure access to fresh air.
- General instructions: If the above mentioned irritation symptoms persist, consult a physician.

SECTION V. Fire-Fighting Measures

Suitable Extinguishing Agents:	According to the materials stored in the immediate proximity.
Special Risk:	Slow -burning product, in the event of fire sulphur trioxide may be produced.
Special Protective Equipment:	Do not enter into the hazard zone without a self-contained breathing apparatus.

SECTION VI. Accidental Release Measures

Cleaning procedures:
- product with low brittleness, collect while dry, avoid producing dust.

SECTION VII. Handling and Storage

Handling:	No special requirements.
Storage:	Store in tightly closed containers in a place with 70% humidity, in storage space free from caustic agents (acids, bases etc.) for a period no longer than 3 years of production date.

SECTION VIII. Exposure Controls / Personal Protection

Personal protective measures:	Protective clothing should be selected according to dust concentration.
Eye protection:	Required - protective goggles.
Hand protection:	Required - protective gloves.
Industrial hygiene:	Remove contaminated clothing after finishing work, wash face and hands.

SECTION IX. Physical and Chemical Properties

Form:	solid substance	Autoignition temperature:	not applicable
Color:	black	Density:	2,30 divided by 2,50 g/cm ³
Odor:	odorless	Solubility:	
pH value:	no data	in water:	insoluble
Melting point:	270oC	in organic solvents:	soluble in strong acids and bases
Boiling point:	not applicable	Tensile strength:	80m/s

SECTION X. Stability and Reactivity

Conditions to be avoided:	High humidity.
Substances to be avoided:	Strong acids and bases.
Hazardous decomposition products:	Sulphur trioxides, phenol, formaldehyde.

SECTION XI. Toxicological Information

Acute toxicity:	No available quantitative data on the product toxicity.
Other toxicological information:	Avoid inhaling dust while working with grinding wheels.

SECTION XII. Ecological Information

No problems to be expected if used in accordance with the instruction manual.

SECTION XIII. Disposal Considerations

Dispose of this material according to local, state, provincial and federal regulations.

SECTION XIV Transportation Information

- a) UN number: not subject to transport regulations.
- b) Shipping name : not applicable
- c) RID/ADR: not applicable
- d) packaging group: not applicable
- e) labels: not applicable
- f) The Road traffic Act of 20.06.1997 (Journal of Laws No. 98, item 602 with later amendments)
- g) The Road transport Act of 6.09.2001 (Journal of Laws No. 125, item 1371 with later amendments)
- h) The Transport Regulations Act of 15.11.1984 (Journal of Laws No. 50, item 601 of 2000)
- i) The Road Transport of Dangerous Goods Act of 28.10.2002 (Journal of Laws No. 199, item 1671)
- j) The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR); government declaration on issuing a consolidated act (Annex to No. 194, item 1629 of 2002)
- k) Ordinance of the Minister of Labour and Social Policy dated 14.03.2000 on health and safety at manual transport (Journal of Laws No. 26, item 313).
- l) Ordinance of the Minister of Labour and Social Policy dated 18.09.2000 amending the ordinance on health and safety at manual transport (Journal of Laws No. 82, item 930).

SECTION XV. Regulatory Information

- The Waste Act of 27.04.2001 (Journal of Laws No. 62, item 628 with later amendments).
- The Packaging and Waste Packaging Act of 11.05.2001 (Journal of Laws No. 63, item 638 with later amendments).
- The Act on Producer Responsibility with regard to the Management of Certain Waste, Product Fee and Deposit Fee of 11.05.2001 (Journal of Laws No. 63, item 639).
- Ordinance by the Minister of the Environment dated 06.06.2002 (Journal of Laws No. 87, item 796) on permissible levels of certain substances in the air, alarming levels of certain substances in the air, and tolerance margins for permissible levels of certain substances.
- Ordinance by the Minister of the Environment dated 29.11.2002 on entering the sewage into waters and ground and on the substances particularly harmful for aquatic environment (Journal of Laws No. 212, item 1799).
- Ordinance by the Minister of Health dated 02.09.2003 on a list of hazardous substances including classification and labelling thereof (Journal of Laws No. 199, item 1948).
- Ordinance by the Minister of Health dated 02.09.2003 on labelling packaging of hazardous substances and preparations (Journal of Laws No. 173, item 1679).
- The Chemical Substances and Preparations Act of 11 January 2001 (Journal of Laws No. 11, item 84 with later amendments).
- Ordinance by the Minister of Labour and Social Policy dated 29.11.2002 on highest permissible concentrations of agents harmful to health in workplace (Journal of Laws No. 217, item 1833).
- Ordinance by the Minister of Health dated 3.7. 2002 on material safety data sheet (Journal of Laws No. 140, item 1171)
- Ordinance by the Minister of Health dated 02.09.2003 on criteria and methods of classification of hazardous substances and preparations (Journal of Laws No. 171, item 1666).

In accordance with the ordinance of the Minister of Health dated 24.11.2003 (Journal of Laws No.199, item. 1948) on a list of hazardous substances including the classification and labelling thereof the labelling is not required. The substance is not classified as hazardous.

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| a) | Warning label: | not required. |
| b) | R-phrases: | not required. |
| c) | S-phrases: | not required. |

SECTION XVI. Other

No additional information is given for this product.

The data herein relates to the product named and is based upon information that Dental Ventures of America, Inc. believes to be reliable and accurate. No warranty expressed or implied is intended. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. This information is offered solely for your consideration and interpretation.