# Product Data Sheet

**Product Name**: MD-Mezzo

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| 40800191 | MD-Mezzo, 200 mm (8”) dia. | Nickel-plated diamonds, fumed silica, silicon carbide and graphite in an epoxy matrix, deposited on a lacquered surface on an epoxy-coated metal plate. | For plane/fine grinding of titanium and titanium alloys. Water is used as a lubricant but Struers water-free lubricants can also be used if the specimens are sensitive to water. | - Whilst the MD-Mezzo is rotating, ensure hands are kept well clear of the edge and out of the splash bowl.  
- Do not exceed a rotational speed of 600 rpm |
| 40800192 | MD-Mezzo, 250 mm (10”) dia. | | | |
| 40800193 | MD-Mezzo, 300 mm (12”) dia. | | | |
| 40800194 | MD-Mezzo, 350 mm (14”) dia. | | | |

**Revision**: 21-03-2017

**Description**: Resin bonded diamond grinding disc for plane grinding of titanium alloys with a hardness of HV 150 - 450. Surface finish comparable to SiC Paper/Foil #220. MD-Mezzo is used for the first grinding step and should be followed by fine grinding on MD-Largo.

**Material**: Nickel-plated diamonds, fumed silica, silicon carbide and graphite in an epoxy matrix, deposited on a lacquered surface on an epoxy-coated metal plate.

**Properties**: Blue lacquered surface. For magnetic fixation on MD-Disc. White screen printing on the rear. Re-usable.

**Application**: For plane/fine grinding of titanium and titanium alloys. Water is used as a lubricant but Struers water-free lubricants can also be used if the specimens are sensitive to water.

Struers additive for cooling fluid, Corrozip, can be used to protect the disc, machine and specimen and for optimal grinding and cooling qualities.

The user must follow the Instructions for Use for correct work procedure.

**Health and Safety**: To the best of Struers’ knowledge, the products listed above do not contain any Substances of Very High Concern (SVHC) according to REACH regulations (amended on 20th June 2016) at or above 0.1%.
According to Hazardous Products Act (HPA) Section 2 this product is considered a manufactured article and defined as “any article that is formed to a specific shape or design during manufacture, the intended use of which when in that form is dependent in whole or in part on its shape or design, and that, when being installed, if the intended use of the article requires it to be installed, and under normal conditions of use, will not release or otherwise cause an individual to be exposed to a hazardous product”.

Therefore this product is exempted from WHMIS 2015 obligations on classification and labelling under stated normal conditions of use (HPA Section 12, point (i)).

See Instructions for Use for more information.

**Skin protection**

Wear protective gloves during grinding.

**Respiratory Protection**

It is recommended that the grinding machine is adequately ventilated during use of MD-Mezzo.

**Environmental precautions**

Dispose of waste and residues as metal waste in accordance with local regulations.

Approved by:

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