

Product Data Sheet



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Product Name **MD-Mezzo**

Cat. no. 40800191 MD-Mezzo, 200 mm (8") dia.
 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**
- 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

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 OSHA's Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200 paragraph (c) this product is considered an article and defined as *"a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees"*.

Therefore this product is exempted from HCS 2012 obligations on classification and labelling under stated normal conditions of use (29 CFR 1910.1200 (b)(6)(v)).

See Instructions for Use for more information.

Skin protection

Wear protective gloves during grinding.

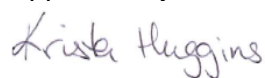
Respiratory Protection

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:



Krista Huggins

Chemical Safety Specialist
Struers ApS.