

PRODUCT SAFETY DATA SHEET

Product: Maxflex, Snap-On and Pop-On Discs

Classification: Class 2a Medical Device

MFD200	Maxflex Snap-On dental polishing disc, coarse, 10mm
MFD204	Maxflex Snap-On dental polishing disc, coarse, 14mm
MFD201	Maxflex Snap-On dental polishing disc, medium, 10mm
MFD205	Maxflex Snap-On dental polishing disc, medium, 14mm
MFD202	Maxflex Snap-On dental polishing disc, fine, 10mm
MFD206	Maxflex Snap-On dental polishing disc, fine, 14mm
MFD203	Maxflex Snap-On dental polishing disc, ultra-fine, 10mm
MFD207	Maxflex Snap-On dental polishing disc, ultra-fine, 14mm
MFD118	Maxflex Pop-On dental polishing disc, super coarse, 10mm
MFD119	Maxflex Pop-On dental polishing disc, super coarse, 14mm
MFD100	Maxflex Pop-On dental polishing disc, coarse, 10mm
MFD104	Maxflex Pop-On dental polishing disc, coarse, 14mm
MFD101	Maxflex Pop-On dental polishing disc, medium, 10mm
MFD105	Maxflex Pop-On dental polishing disc, medium, 14mm
MFD102	Maxflex Pop-On dental polishing disc, fine, 10mm
MFD106	Maxflex Pop-On dental polishing disc, fine, 14mm
MFD103	Maxflex Pop-On dental polishing disc, ultra-fine, 10mm
MFD107	Maxflex Pop-On dental polishing disc, ultra-fine, 14mm

Description: Maxflex Pop-On and Snap-On discs are Class 2a Medical Devices and when attached to RA mandrels, are for use in the mouth only by (or under the instruction of) a qualified dental professional for the finishing and polishing of composite restorations, gold and amalgam.

The Discs are produced in 2 different shapes and 5 different grits and give best performance when applied at slow speed (either at maximum of 10,000 or 30,000 RPM dependant on the grit size), under slight pressure.

The discs should only be used in conjunction with a mandrel and rotary hand piece that conforms to ISO 14457. The operator should ensure that the mandrel is correctly installed in the hand piece and the disc is correctly located onto the mandrel prior to commencement of any procedure. The devices are a two-component product.

Grit Size	Maximum RPM
Super Coarse	10,000 rpm
Coarse	10,000 rpm
Medium	10,000 rpm
Fine	30,000 rpm
Ultra-fine	30,000 rpm

Product Safety Data Sheets

Maxflex Snap-On Polishing Discs

Component 1

Plastic disc impregnated with aluminium oxide, bound with acrylic polymer binder.

Component 2

Silicon rubber moulding.

Maxflex Pop-On Polishing Discs

Component 1

Plastic disc impregnated with aluminium oxide, bound with acrylic polymer binder.

Component 2

Brass metal pressing.

Raw Material Composition: Aluminum oxide, acrylic polymer binder, plastic, brass, food dyes, silicon rubber

Physical data:

Physical state:	Flexible plastic disc with abrasive layer
Colour:	Various
Odour:	None
Evaporation rate:	Not applicable
Specific gravity:	Not applicable
Solubility in water:	Insoluble

Stability and reactivity:

Chemical stability:	Stable at normal temperature and storage conditions.
Incompatibility with other materials:	None reasonable or foreseeable
Hazardous decomposition products:	Decomposition will not occur

Hazardous polymerisation: Polymerisation will not occur.

Handling and Storage: There are no specific handling requirements, store in clean dry conditions at room temperature.

Toxicology: There is no toxicological data specific to this product.

Waste Disposal:

Waste is not harmful. The handling, storage, transportation and disposal are generally performed similarly to those of other general wastes designated by the nation or local government. Do not wash off with water or flush to drains because material is principally non-biodegradable.

This product may be Incinerated or landfill in compliance with local and national regulations.

Fire and explosion data:

Flash point (method):	<150°C
Flash ignition temp:	Not applicable
Extinguishing media:	Water, carbon dioxide, dry chemicals.
Special firefighting instructions:	None

Health hazard information:

Brass in solid wire form is not hazardous to health.

Ingestion:	Not a probable route of exposure
Inhalation:	Not respirable

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Hazardous reactivity:

Stability: Stable
Conditions to avoid: Heating above 340°C
Incompatibility: Strong acids, bases and oxidising agents

First aid measures (in case of):

Inhalation: There are no poisoning risks.
Skin contact: Do not use in case of a specific allergy. In case of permanent irritation, call for physician.
Contact with eyes: In case of accident or accidental contact with the moving instrument call for physician.

Fire and explosion data:

Extinguishing media: Atomised water jet, carbon dioxide, dry chemicals
Special firefighting instructions: None

Accidental dispersion: May be swept up or mechanically collected.

Handling and Storage: Store dry at room temperature away from light. Avoid temperature > 70°

Disposal procedures:

Aquatic toxicity: Very low toxicity
Spill or leak: Sweep up to prevent slipping hazard
Waste disposal: Incinerate or landfill in compliance with local Regulations.

Transportation: The product should be transported in original containers to avoid damage or leakage. Keep containers dry.

Special protection information:

Ventilation: local exhaust at processing equipment to keep particulate below 15mg/m³ (OSHA limit for particulates not otherwise regulated)

Personal protection equipment:

Eyes: Safety glasses
Gloves: None under normal processing
Respirator: Not applicable

The materials contained in this product are non-hazardous or non-hazardous at the levels of inclusion.

DISCLAIMER OF LIABILITY

The information in this PSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

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This PSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this PSDS information may not be applicable.

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