



Codonics DirectVista[®] Paper/ DirectVista[®] White Film Material Safety Data Sheet (MSDS)

1. Identification:

DirectVista[®] Paper (DVP)/ DirectVista[®] White Film, Thermographic paper for medical imaging applications.

2. Hazard(s) Identification:

2.1 General: DirectVista Paper/DirectVista White Film will not cause any special health or safety hazards when used as intended.

2.2 Health Aspects: Under normal transport, storage, and use conditions, no harmful concentrations of volatile components are released from DirectVista Paper/DirectVista White Film. No wet chemicals are used in the imaging process.

3. Composition/Ingredient Information:

DirectVista Paper/DirectVista White Film is a direct thermographic paper consisting of a support layer, an image forming layer, and a top protective layer. The support layer is made of polypropylene (PP). The image-forming layer mainly consists of a thermally- activated dye in an organic binder. This layer also contains small amounts of additives used to provide the necessary physical and sensitometric properties of the film. The transparent top layer, which is coated on top of the imaging-forming layer, is heat conducting and chemically stable to heat. The recording on DirectVista Paper/DirectVista White Film is created by a thermal printhead in Codonics printers. The recording does not require any wet chemical processing.

4. First-Aid Measures:

With exception of a rare however potential “paper-cut” that might require cleaning and a band-aid, there are no applicable first-aids measures.

5. Fire-Fighting Measures (Fire Hazard and Media Extinguishment):

5.1 This product is capable of burning. The flash point of polypropylene is 340-400° C. The ignition point of polypropylene is 400-500° C. The nature of any combustion products is dependent on the physical properties of the combustion process and on the degree of combustion, whereby different gases can be generated, such as water vapor, carbon dioxide, carbon monoxide, and small concentrations of organic and inorganic degradation products.

5.2 Combustion Gases: Carbon dioxide, carbon monoxide, etc. can be generated depending upon the burning conditions.

5.3 Fire extinguishing measures: Water spray, carbon dioxide, extinguishing powder or foam can be used as an extinguishing medium. While fire fighting, wear protective equipment such as self-contained breathing apparatus, depending on the fire situation.

6. Accidental Release Measures:

Personal precautions include avoiding vapors by wearing suitable protective equipment in the event of burning.

7. Handling and Storage:

For specific information on storage conditions of DirectVista Paper/DirectVista White Film, please refer to the general instructions for use of this article. Do not store or handle near open flames, sources of heat, or other sources of ignition. Store in a cool place and protect material from direct sunlight.

8. Exposure Control/Personal Protection: Not Applicable

9. Physical & Chemical Properties:

DirectVista Paper/DirectVista White Film is a thermographic paper-like media consisting of a support layer, an image forming layer, and a top protective layer. The support layer is made of polypropylene (PP). The image-forming layer mainly consists of a thermally-activated dye in an organic binder. This layer also contains small amounts of additives used to provide the necessary physical and sensitometric properties of the film.

10. Stability & Reactivity:

The transparent top layer, which is coated on top of the imaging-forming layer, is heat conducting and chemically stable to heat. The recording on DirectVistaPaper/DirectVista White Film is created by a thermal printhead in Codonics printers. The recording does not require any wet chemical processing.

11. Toxicological Information: Not Applicable

12. Ecological Information:

As a polypropylene (PP) based material, recycling of plastic is possible. DirectVista Paper/DirectVista White Film is RoHS compliant.

13. Disposal Considerations:

Regulations concerning waste disposal differ from country to country. Please consult the local regulations on this subject. In most countries, DirectVista Paper/DirectVista White Film is considered an industrial waste and consequently it is not allowed to be disposed of as household waste. Codonics recommends having DirectVista Paper/DirectVista White Film waste hauled away by a licensed company for industrial waste.

14. Transport and Labeling Regulations:

DirectVista Paper/DirectVista White Film is as defined in 29 CFR1910.1200 and is thus not subject to the regulations on transport, labeling, health, safety, and environment that apply to chemical substances and preparations.

15. Regulatory Information:

FDA 892.1840 Radiographic Hardcopy Media, Class I exempt, ANSI, DICOM, SMPTE standards.

16. Other Information: None.

The information given here is based on Codonics best knowledge and experience. This data sheet does not convey any warranty as to the properties of this article. The data sheet provides information pertaining to health, safety, and environmental concerns when the article is used as intended.

If there are additional questions or you require further assistance, please call us at 1.440.243.1198 and request to speak with the Quality Assurance Manager.

17991 Englewood Drive
Middleburg Heights, OH 44130 USA
Phone: (440) 243-1198
Sales: (800) 444-1198
Fax: (440) 243-1334
Email: info@codonics.com.

Codonics Limited KK
Aquacity 9F
4-16-23, Shibaura
Minato-ku, Tokyo, 108-0023 JAPAN
Phone: 81-3-5730-2297
Fax: 81-3-5730-2295

Codonics Part Number 900-297-003.02