



May 2, 2017



# *Codonics DirectVista<sup>®</sup> Paper*

## *DirectVista<sup>®</sup> WhiteFilm*

### *Material Safety Data Sheet (MSDS)*

#### **1. Article Name:**

DirectVista<sup>®</sup> Paper (DVP) /*DirectVista<sup>®</sup> WhiteFilm*

#### **2. Article Type:**

Thermographic paper for medical imaging applications.

#### **3. Composition:**

DirectVista Paper/*DirectVista<sup>®</sup> WhiteFilm* 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<sup>®</sup> WhiteFilm* is created by a thermal printhead in Codonics printers. The recording does not require any wet chemical processing.

#### **4. Health and Safety:**

**4.1 General:** DirectVista Paper/*DirectVista<sup>®</sup> WhiteFilm* will not cause any special health or safety hazards when used as intended.

**4.2 Health Aspects:** Under normal transport, storage, and use conditions, no harmful concentrations of volatile components are released from DirectVista Paper/*DirectVista<sup>®</sup> WhiteFilm*. No wet chemicals are used in the imaging process.

#### **4.3 Fire Hazard and Media Extinguishment:**

**4.3.1** 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.

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

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

## **5. Waste Disposal:**

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

## **6. Transport and Labeling Regulations:**

DirectVista Paper/*DirectVista*<sup>®</sup> *WhiteFilm* 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.

## **7. Storage:**

For specific information on storage conditions of DirectVista Paper/*DirectVista*<sup>®</sup> *WhiteFilm*, 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. 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](mailto:info@codonics.com)  
Codonics Part Number 900-297-003.0

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