



## Safety Data Sheet

### SECTION 1: Identification

#### 1.1 Product identifier

Polestar CD-DSM CO2 Sensing Film 31-36601-A1 CO2 Sensing Flim

#### 1.2 Recommended use and restriction on use

##### Recommended use

Optical sensor.

#### 1.3 Supplier's details

**MANUFACTURER:** Polestar Technologies, Inc.

**ADDRESS:** 220-3 Reservoir Street, Needham Heights MA 02494, USA

**TELEPHONE:** 1-781-449-2284

### SECTION 2: Hazard identification

This product is exempt from hazard classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
CO2 sensing layer	Trade Secret*	2-3%
Polyester substrate	None	26-28%
Acrylic adhesive layer	None	13-15%
Polyester release linear	None	55-57%

\*The specific chemical identity and/or exact percentage of the composition has been withheld as a trade secret.

**SECTION 4: First aid measures****4.1 Description of first aid measures****Inhalation:**

No need for first aid is anticipated.

**Skin Contact:**

No need for first aid is anticipated.

**Eye Contact:**

No need for first aid is anticipated.

**If Swallowed:**

No need for first aid is anticipated.

**SECTION 5: Fire-fighting measures**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Not applicable.

**6.2 Environmental precautions**

Not applicable.

**6.3 Methods and material for containment and clean up**

Not applicable.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

**7.2 Condition for safe storage including any incompatibilities**

No special storage requirements.

**SECTION 8: Exposure controls/personal protection**

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. No engineering controls or personal protective equipment (PPE) are necessary.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Physical form:</b>	Solid
<b>Odor, Color, Grade:</b>	Blue, plastic, odorless
<b>Odor threshold:</b>	<i>Not applicable</i>
<b>pH:</b>	<i>Not applicable</i>
<b>Melting point:</b>	<i>No data available</i>
<b>Flash Point:</b>	<i>Not applicable</i>
<b>Evaporation rate:</b>	<i>Not applicable</i>
<b>Flammability (solid, gas):</b>	Not classified
<b>Flammability limits:</b>	<i>Not applicable</i>
<b>Vapor pressure:</b>	<i>Not applicable</i>
<b>Vapor density:</b>	<i>Not applicable</i>
<b>Density:</b>	<i>Not applicable</i>
<b>Solubility in water:</b>	None
<b>Solubility non-water:</b>	<i>No data available</i>
<b>Autoignition temperature:</b>	<i>No data available</i>
<b>Volatile Organic Compounds:</b>	<i>No data available</i>
<b>Viscosity:</b>	<i>Not applicable</i>

**SECTION 10: Stability and reactivity**

This material is considered to be non-reactive under normal use condition.

**SECTION 11: Toxicological information****Inhalation:**

No health effects are expected

**Skin contact:**

No health effects are expected

**Ingestion:**

No health effects are expected

**Additional Information:**

This material, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present health and safety hazards.

**SECTION 12: Ecological information**

this product is expected to present a low environmental risk either because of use and disposal are unlikely to result in a significant release of components to the environment or because those components that may be released are expected to have insignificant environmental impact.

**SECTION 13: Disposal consideration**

Dispose of this material in accordance with the local/regional/national/international regulations.

**SECTION 14: Other information****NFPA Hazard Classification**

**Health:** 0 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

DISCLAIMER: The information in the Safety Data Sheet is believed to be accurate as of the date issued.