



Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Polestar O2 Sensing Film 31-36602-A3 O2 Extreme Sensing Film

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
O2 sensing layer	Trade Secret*	2-3%
Light blocking layer	Trade Secret*	>1%
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**

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