

# MATERIAL SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME** : Harmony Sensor Film  
**CAS NUMBER** : Not applicable  
**DOT HAZARD CLASS** : Not required  
**TRADENAME** : Estride Sensor Film Series

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## 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

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### A. SUBSTANCES WHICH GIVE THE PRODUCT ITS HEALTH-RISK PROPERTIES:

According to the European Directive 91/155/EEC, this product is not a harmful product.

INGREDIENT	CAS #	WEIGHT %
Carbon-loaded Polyethylene	N/A	100%

### B. OTHER SUBSTANCES:

INGREDIENT	CAS #	WEIGHT %
None		

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## 3. HAZARD IDENTIFICATION

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### EMERGENCY OVERVIEW:

None.

### POTENTIAL HEALTH EFFECTS:

As far as is known, no health risks are to be expected.

### CHRONIC HEALTH HAZARDS:

None.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None.

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## 4. FIRST AID MEASURES

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### EMERGENCY AND FIRST AID PROCEDURES:

#### EYES:

No need for first aid is anticipated in the event of eye contact.

#### SKIN:

No need for first aid is anticipated in the event of skin contact.

#### INHALATION:

No need for first aid is anticipated, as the event cannot be anticipated.

#### INGESTION:

No need for first aid is anticipated in the event of ingestion.

### NOTES TO PHYSICIAN:

None.

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## 5. FIRE FIGHTING MEASURES

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### FLASH POINT:

Not applicable

### AUTOIGNITION TEMPERATURE – AIT (°C)

Not applicable

### FLAMMABLE LIMITS % (Lower/Upper)

Lower: Not applicable

Upper: Not applicable

### UITABLE EXTINGUISHING MEDIA

Carbon dioxide gas, Dry chemical foam or water.

### HAZARDOUS DECOMPOSITION

Carbon monoxide, carbon dioxide, toxic vapors, gases or particulates. Irritant vapors or gases.

### SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Any chemical can be forced to burn by continuous application or intense heat.

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## 6. ACCIDENTAL RELEASE MEASURES

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### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

May be Land Filled. Waste Disposal Method: Land Filled In Accordance With Local, State Regulation.

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## 7. HANDLING AND STORAGE

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### HANDLING:

Once removed from packaging it should be protected against dust and other impurities.

**STORAGE:**

Should be kept in a cool, (10°C – 25°C) dry place (40% – 75% humidity) away from direct sunlight or temperature extremes. Keep away from heat, sparks and open flames.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**GENERAL:**

No eating, drinking or smoking during use.

**VENTILATION:**

Use in an ordinary ventilated room and in an appropriately ventilated room when product is heated.

**RESPIRATORY PROTECTION:**

Avoid inhalation of thermal decomposition products.

Avoid breathing of dust created by slitting, cutting, punching, sanding or grinding.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Suitable protective clothing for skin and body protection.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE**

Black, shiny, odorless film

**PHYSICAL STATE (20°C)**

Solid material

**ODOR**

None

**BOILING POINT (°C)**

Not applicable

**pH**

Not applicable

**SOLUBILITY IN WATER**

Non-soluble

**SPECIFIC GRAVITY (H<sub>2</sub>O=1)**

Not determined

**MELTING POINT**

Not determined

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**10. STABILITY AND REACTIVITY**

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**STABILITY:**

Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Not known

**HAZARDOUS DECOMPOSITION PRODUCTS (ONLY WHEN BURNED):**

Carbon monoxide, carbon dioxide, toxic vapors, gases or particulates. Irritant vapors or gases.

**HAZARDOUS POLYMERIZATION:**

Will not occur

**CONDITIONS TO AVOID:**

Open flame, heat spark and any other sources of ignition

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**11. TOXICOLOGICAL INFORMATION**

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**SKIN IRRITATION:**

Little chance of irritation

**EYE IRRITATION:**

No information is available

**ACCUTE TOXICITY (LD50):**

No information is available

**ACCUTE TOXICITY (LC50):**

Not applicable

**CARCINOGEN STATUS:**

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

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**12. ECOLOGICAL INFORMATION**

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**ECOTOXICITY:**

No specific studies have been conducted by Manufacturer on the ecotoxicity or environmental fate of this material; however there is no indication that this material is a risk to the environment.

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**13. DISPOSAL CONSIDERATION**

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**WASTE DISPOSAL METHOD:**

Product may be land-filled in accordance with local and national regulations

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**14. TRANSPORT INFORMATION**

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**This material is not classified under shipping regulations for dangerous goods.**

**UN NUMBER:**

UN number: Not restricted for transportation

**UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:**

Substance Identification Number: Not applicable  
Class: Not applicable  
Packing Group: Not applicable  
Proper Shipping Name: Not applicable  
CDG-ROAD (if applicable): Not applicable

**ADR/RID CLASSIFICATION:**

Class: Not applicable  
Item Number: Not applicable

**ICAO/IATA CLASSIFICATION:**

Class:	Not applicable
Sub-Risk:	Not applicable
Packing Group:	Not applicable
Proper Shipping Name:	Not applicable

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized safety officer. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

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**15. REGULATORY INFORMATION**

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TSCA 8(b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory
TSCA 12(b) Export Notification:	None
European Regulation:	According to the EEC Directive 91/155/EEC, this product is not a harmful product.

**DISCLOSABLE INGREDIENTS:**

Symbol(s):	None
Risk Phrases:	None
Safety Phrases:	None

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**16. OTHER INFORMATION**

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**INTENDED USE OF PRODUCT:**

As a package wrap in electronics industries to prevent the buildup of static or in manufacturing applications as a volume conductive film.

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither Stride Innovation, nor Manufacturer accept any liability arising out of the use of the information provided here or the use, application or processing of the product described herein.

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