1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
  - Trade name: **PETITO175-60**
- Relevant identified uses of the substance or mixture and uses advised against
  - Application of the substance / the preparation
    PETITO175-60 is a 175 µm thick PET film (polyethylene terephthalate) coated on one side with indium tin oxide, having a sheet resistivity of 60 Ω/sq. The substrate comes with protection foils on each side.
- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier: SOLARONIX SA
    Rue de l'Ouiertie 129, CH-1170 Aubonne, Switzerland
    info@solaronix.com
    T +41 21 821 22 80
    www.solaronix.com
    F +41 21 821 22 89
    info@solaronix.com
  - Emergency telephone number: Swiss Toxicological Information Center: +41 44 251 51 51

2 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  The product is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- Information concerning particular hazards for human and environment:
  The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
  The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- Label elements
  - Labelling according to Regulation (EC) No 1272/2008 Void
  - Hazard pictograms Void
  - Signal word Void
  - Hazard statements Void
  - Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description:

(Contd. on page 2)
Trade name: PETITO175-60

PETITO175-60 is a 175 μm thick PET film (polyethylene terephthalate) coated on one side with indium tin oxide, having a sheet resistivity of 60 Ω/sq. The substrate comes with protection foils on each side.

Film type: PET (polyethylene terephthalate)
Film thickness: 175 μm
Conducting layer: ITO (indium tin oxide, In2O3:SnO2)

· Dangerous components: Void
· Additional information: For the wording of the listed risk phrases, refer to section 16.

4 First aid measures

· Description of first aid measures
· General information: No special measures required.
· After excessive inhalation: Supply fresh air; consult a doctor in case of complaints.
· After skin contact: Generally the product does not irritate the skin.
· After eye contact: Rinse opened eye for several minutes under running water.
· After swallowing: If symptoms persist consult a doctor.

Information for doctor:
· Most important symptoms and effects, both acute and delayed
  No further relevant information available.
· Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

5 Firefighting measures

· Suitable extinguishing agents:
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· Special hazards arising from the substance or mixture
  No further relevant information available.
· Advice for firefighters
· Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.
· Environmental precautions: No special measures required.
· Methods and material for containment and cleaning up: Pick up mechanically.
· Reference to other sections
  No dangerous substances are released.
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protective equipment.
  See Section 13 for disposal information.

7 Handling and storage

· Handling:
· Precautions for safe handling No special measures required.
Trade name: PETITO175-60

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see section 7.
- Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information:
  As a basis for the production of this document, the most current valid lists were used.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required.
- Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Gloves material:
  The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked before use.
- Eye protection: Not required.

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
  Form: Solid
  Colour: According to product specification
  Odour: Characteristic
  Odour threshold: Not determined.
- pH-value: Not applicable.
- Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: Undetermined.
- Flash point: Not applicable.
Trade name: PETITO175-60

- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:** Not applicable.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not self igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
  - **Explosion limits:**
    - **Lower:** Not determined.
    - **Upper:** Not determined.
- **Vapour pressure:** Not applicable.
- **Density:** Not determined.
  - **Relative density** Not determined.
  - **Vapour density** Not applicable.
  - **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with water:** Insoluble.
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - **Dynamic:** Not applicable.
  - **Kinematic:** Not applicable.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
  - **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
  - **Possibility of hazardous reactions** No dangerous reactions known.
  - **Conditions to avoid** No further relevant information available.
  - **Incompatible materials** No further relevant information available.
  - **Hazardous decomposition products** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **Primary irritant effect**:
      - **On the skin** No irritant effect.
      - **On the eye** No irritant effect.
  - **Sensitization** No sensitizing effects known.
- **Additional toxicological information**:
  The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
Trade name: PETITO175-60

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological information

- **Toxicity**
  - **Acquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.
- **Behaviour in environmental systems**:
  - **Bioaccumulative potential**: No further relevant information available.
  - **Mobility in soil**: No further relevant information available.
- **Additional ecological information**:
  - **General notes**: Generally not hazardous for water.
  - **Results of PBT and vPvB assessment**
    - **PBT**: Not applicable.
    - **vPvB**: Not applicable.
  - **Other adverse effects**: No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation**: Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
  - **Recommendation**: Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID** (cross-border)
  - **ADR/RID class**: -
- **Maritime transport IMDG**
  - **IMDG Class**: -
  - **Marine pollutant**: No
- **Air transport ICAO-TI and IATA-DGR**
  - **ICAO/IATA Class**: -
- **UN ”Model Regulation”**: -
  - **Special precautions for user**: Not applicable.
  - **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**: Not applicable.

### 15 Regulatory information

- **Chemical safety assessment**: A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
### Abbreviations and acronyms:

- **ADR**: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- **RID**: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- **IMDG**: International Maritime Code for Dangerous Goods
- **IATA**: International Air Transport Association
- **IATA-DGR**: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- **ICAO**: International Civil Aviation Organization
- **ICAO-TI**: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- **GHS**: Globally Harmonized System of Classification and Labelling of Chemicals