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

- **Product identifier**
- **Trade name**: Meltonix 1170-60PF
- **Relevant identified uses of the substance or mixture and uses advised against**
  - **Application of the substance / the preparation** Hot Melt Sealing Film with Protection Foil
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: SOLARONIX SA
  - Rue de l’Ouriette 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**
    - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
    - R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Information concerning particular hazards for human and environment:**
  - The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".
- **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**
  - The product is classified and labelled according to the CLP regulation.
  - **Hazard pictograms** Void
  - **Signal word** Void
  - **Hazard statements**
    - H412 Harmful to aquatic life with long lasting effects.
  - **Precautionary statements**
    - P273 Avoid release to the environment.
    - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT**: Not applicable.
  - **vPvB**: Not applicable.

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3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description:
  Meltonix 1170-60PF is a 60 µm thick thermoplastic hot-melt sealing film with a protection foil on one side
- Dangerous components:
  - CAS: 7440-66-6
  - EINECS: 231-175-3
  - Zinc powder - zinc dust (pyrophoric)
  - ≤2.5%
  - FR15 - 17; NR50/53
  - Pyr. Sol. 1, H250; Water-react. 1, H260; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
- Additional information: For the wording of the listed risk phrases, refer to section 16.

4 First aid measures

- Description of first aid measures
  - 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:
  Inform respective authorities in case of seepage into water course or sewage system.
  Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections
  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 precautions are necessary if used correctly.
  - Information about fire - and explosion protection: No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: None.
- **Specific end use(s)**: No further relevant information available.

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: Wash hands before breaks and at the end of work.
  - 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: White
    - Odour: Odourless
    - Odour threshold: Not determined.
  - **pH-value:** Not applicable.
- **Change in condition**
  - Melting point/Melting range: 80-100°C
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| Boiling point/Boiling range: | Undetermined. |
| · Flash point: | Not applicable. |
| · Flammability (solid, gaseous): | Not determined. |
| · Ignition temperature: | Not applicable. |
| · Decomposition temperature: | 325°C |
| · 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 | |
| · 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. |
| · Solvent content: | |
| Solids content: | 100.0 % |
| 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.

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- **Sensitization:** No sensitizing effects known.

**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.
- **Ecotoxicological effects**
  - **Remark:** Harmful to fish
- **Additional ecological information**
  - **General notes:**
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    - Harmful to aquatic organisms
  - **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**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - **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.
Trade name: **Meltonix 1170-60PF**

- 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.

- **Relevant phrases**
  - H250 Catches fire spontaneously if exposed to air.
  - H260 In contact with water releases flammable gases which may ignite spontaneously.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
  - R15 Contact with water liberates extremely flammable gases.
  - R17 Spontaneously flammable in air.
  - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **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-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