

**According to Regulation EC/1907/2006**

SDS No.: 004 (Version 3.0)

**TPU coated membranes**

Page 1 of 6  
Date: 10/01/2019

**1. IDENTIFICATION OF THE ARTICLE AND OF THE COMPANY:**

**Identification of the Articles:** GLOWSPOT U 1001; TPU 1001P; TPU 1001S;  
TPU 1001; TPU 1001G; TPU 1001T; TPU 1002; TPU 1002A; TPU 1002LK;  
TPU 1007A; TPU 1007A HT; TPU 1009; TPU 1020; TPU 1025; TPU 1101; TPU 1313;  
TPU 2001; TPU 2001SH; TPU 2003; TPU 2003L; TPU 2004S; TPU 2004AS;  
TPU 2007; TPU 2008; TPU 2008A; TPU 2008A/HT; TPU 2009; TPU 2009H;  
TPU 2010; TPU 2012; TPU 2012CF; TPU2014; TPU 2036; TPU2036L; TPU2037;  
TPU 2037CP; TPU 2037L; TPU 2039; TPU 2051; TPU 2053; TPU 2054; TPU 2055;  
TPU 2056; TPU 2057; TPU 2058; TPU 2064AS; TPU 2086; TPU 2105; TPU 2105CP;  
TPU 2136; TPU 2180; TPU 2180CP; TPU 2181; TPU 2188; TPU 2188CP; TPU 2255;  
TPU2256;  
Various colors

**Relevant Identified uses of article:** Polyurethane coated fabric

**Formula:** Proprietary formulation

**Supplier:** Erez Thermoplastic Products  
Kibbutz Erez, M.P. Ashqelon Coast  
ISRAEL 79150

**Tel.:** +972 8 6801200 **E-Mail:** sales\_etp@erez-therm.com

**2. HAZARDS IDENTIFICATION:**

**Classification of the products:**

These products are not hazardous according to regulation (EC) 1272/2008 [CLP].

These products are not classified as dangerous according to 67/548/EEC / 1999/45/EEC

**Label elements**

These products are not under obligation of labeling as per Regulation (EC) 1272/2008 (CLP). The products in the form in which are marketed does not present any health hazard if inhaled, taken in or in contact with the skin according to Regulation (EC) 1272/2008 Annex I part 1.3.4.1

**Other hazards:** See sections: 5, 8, 10

This article has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure is minimal. However some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions to protect employees from exposure.

**TPU coated membranes**

SDS No.: 004 (Version 3.0)

Page 2 of 6  
Date: 10/01/2019

**3. COMPOSITION/INFORMATION ON INGREDIENTS:**

**Composition:** Polyester or Nylon fabric coated with thermoplastic Polyurethane.

To this article no substances included in the candidate list under article 59(1.10) of the REACH regulation EC1907/2006 (known as SVHC) were added intentionally in a concentration >0.1%w/w.

**Hazardous ingredient:**

Chemical name	Cas #	EC #	%	Hazard Symbol	R Phrases #	Annex #1
Benzotriazole	2440-22-4	219-470-5	0-0.3			

All other ingredients are not hazardous materials or they are at concentrations less than 1%.

**4. FIRST AID MEASURES:**

**Inhalation:** Sheets: Not applicable. At elevated temperature: Remove to fresh air. If not breathing: Artificial respiration. If breathing is difficult: Oxygen. Immediately get medical attention.

**Skin contact:** Sheet: Not applicable. At elevated temperature: Wash off with plenty of water and soap. Remove contaminated clothing. Get medical attention.

**Eye contact:** Sheet: Not applicable.

**Ingestion:** Sheet: Not applicable.

**Note to the physician:** N / A

**5. FIRE FIGHTING MEASURES:**

**Suitable extinguishing media:** CO<sub>2</sub>, foam, dry chemical, water spray.

**Specific Hazards:** Thermoplastic Polyurethane can burn. Irritating or toxic substances will be emitted upon combustion, burning or decomposition, including cyanides, toxic nitrogen oxides, carbon monoxide and dioxide.

**Special protective equipment for fire fighters:** Wear self-contained breathing apparatus equipped with a full facepiece and operating in a positive pressure mode and protective clothing. Personnel not having suitable respiratory protect must leave the area to prevent significant exposure to irritant gases from combustion, burning or decomposition.

**Specific methods:** Use water to keep fire-exposed containers cool.

**TPU coated membranes**

SDS No.: 004 (Version 3.0)

Page 3 of 6  
Date: 10/01/2019

**6. ACCIDENTAL RELEASE MEASURES:**

**Personal precautions:** See section 8.

**Environmental precautions:** Do not allow to enter sewage system and other water bodies. If yes, notify responsible authority of non-floating plastic pieces. Ingredients are unlikely to leach from the sheet.

**Methods and material for containment and cleaning up:** Sweep up Sheet pieces and place in suitable container for reuse or disposal. Consult an expert on disposal of recovered sheets and ensure conformity to local regulation

**Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7. HANDLING AND STORAGE:**

**Handling:** Maintain proper grounding against static electricity to all installation system.

**Storage:** Store at 15°C+30°C. Do not store near inflammable agents. Do not exceed 70°C whilst storing in warehouses or at any other sites. Protect product from flames of any kind and maintain proper clearance when using heat devices.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION:**

**Control parameters:**

**Exposure Limit Values:** Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL):** This information is not required.

**Predicted No Effect Concentration (PNEC):** This information is not required.

**Respiratory protection:** Not normally necessary when well-ventilated conditions are provided. If local exhaust ventilation is not adequate to avoid inhalation, then air supplied respirators have to be used for fumes and vapors. Wear a dust respirator if dust may create.

**Hand protection:** Cold sheet - not necessary. Hot - isolated gloves.

**Eye protection:** Cold sheet - not necessary. Hot - face shield.

**Skin & body protection:** Wear suitable protective clothing.

**Hygiene measures:** When using the material, do not eat, drink or smoke. Wash hands prior to breaks or work's end; clean face as well.

**TPU coated membranes**

SDS No.: 004 (Version 3.0)

Page 4 of 6  
Date: 10/01/2019

9. PHYSICAL & CHEMICAL PROPERTIES:

**State:** Sheet  
**Specific gravity:** >1  
**Boiling pt.:** N/A  
**Flash pt.:** N/A

**Color:** Various  
**Softening pt.:** N/A  
**Autoignition temp.:** 393°C  
**Explosion risk:** None

**Odour:** Faint odour  
**Self-inflammability.:** 407°C  
**Vapour pressure:** None  
**Solubility-water:** None

10. STABILITY & REACTIVITY:

**Reactivity & Chemical stability:** Stable when applying the recommended regulations for storage and handling.

**Possibility of hazardous reactions:** None under normal conditions of use.

**Conditions to avoid:** Temperature over 200 °C

**Incompatible materials to avoid:** None

**Hazardous decomposition products:** Thermal decomposition, pyrolysis or combustion may generate CO, CO<sub>2</sub>, and small amounts of hydrogen cyanide, oxides of nitrogen, hydrocarbons, diisocyanate and water vapor.

11. TOXICOLOGICAL INFORMATION:

**Acute toxicity:** This composition has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components, which comprise the mixture.

**Skin Irritation:** None

**Eye Irritation:** Dust may cause eye irritation.

**Inhalation:** Negligible hazard at ambient temperatures. At elevated temperatures, Vapors may be irritating to eyes and respiratory tract

**TPU coated membranes**

SDS No.: 004 (Version 3.0)

Page 5 of 6  
Date: 10/01/2019

**12. ECOLOGICAL INFORMATION:**

**Acute toxicity**

**Aquatic invertebrates:** No data available.

**Microorganisms:** No data available.

**Persistence and degradability**

**Biodegradation (In water):** Inert polymer, not biodegradable on the basis of its structure.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Results of PBT and vPvB assessment:** This information is not required.

**Details for elimination:** Water insoluble product. Can be separated in waste by filtration.

**Performance in ecological sub-system:** Polyurethane is regarded as biologically inert.

**13. DISPOSAL CONSIDERATIONS:**

**Waste treatment:** Disposal of product: Recycle if possible, or destroy the product by incineration (in accordance with local and national regulations).

**Disposal of packaging:** Recycle or incinerate at an approved waste disposal site. In accordance with local and national regulations.

**14. TRANSPORTATION INFORMATION:**

**Land transport ADR/RID (cross-border):** Non-hazardous according to the above specifications.

**ICAO/IATA:** Non-hazardous according to the above specifications.

**ADR/RID class:** Non-hazardous according to the above specifications.

**Maritime transport IMDG:** Non-hazardous according to the above specifications.

**Transport/Additional information:** Non-hazardous according to the above specifications.

**TPU coated membranes**

SDS No.: 004 (Version 3.0)

Page 6 of 6  
Date: 10/01/2019

15. REGULATORY INFORMATION:

**Safety, health and environmental regulations/legislation specific for the products**

**Labeling according to EU guidelines:** The product is not subject to identification regulations under EU Directives.

**National regulations:**

**Other regulations, limitations and prohibitive regulations**

**Substances of very high concern (SVHC) according to REACH, Article 57:** No component of the formulation.

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

16. OTHER INFORMATION:

**Recommended use:** For industrial use only.

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**ICAO:** International Civil Aviation Organization

**vPvB:** very Persistent and very Bioaccumulative

**PBT:** Persistent, Bioaccumulative and Toxic

**DNEL:** Derived No-Effect Level (REACH)

**PNEC:** Predicted No-Effect Concentration (REACH)