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**Section 1- Product and Company Identification**  
**PERFLEX-PURE**

**Date of MSDS:** Wednesday, March 24, 2012

**Product Identification:** PERFLEX-PURE Permanent and Medical grades

**Product Synonym:** Polyetherether ketone, modified

**Product Class/Use:** MOULDING COMPOUND for Crown and bridge substructure material

**Company Name:** PERFLEX Ltd.

7 Giborey Israel St. Industrial Area Poleg  
Netanya 4250407, P.O.B 8123, Israel

**General Information Telephone: Emergency Telephone: Not required by regulations.**

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**Section 2- Hazards Identification**  
**PERFLEX-PURE**

**Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Not hazardous substance or mixture according to Regulation (EC) no. 1272/2008

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Not applicable.

· **Information concerning particular hazards for human and environment:** Not applicable.

· **Label elements**

· **Labeling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us.

Observe the general safety regulations when handling chemicals.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

**HS Code:** 3908.1000

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**Section 3- Composition/ information on ingredients**  
**PERFLEX-PURE**

**Chemical characterization: Substances**

**PERFLEX-PURE Permanent and Medical grades PELLETS/ INGOTS**

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**Section 4- First aid measures**  
**PERFLEX-PURE**

**Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

After contact with hot product: cool burns immediately with plenty of cold water, then bandage sterile and seek medical attention. Do not try to remove the solidified wax from the wounded skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult 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.

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### Section 5- Firefighting measures PERFLEX-PURE

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#### Extinguishing media

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

· **Protective equipment:** Mouth respiratory protective device.

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### Section 6- Accidental release measures PERFLEX-PURE

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· **Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

Keep away from ignition sources.

· **Environmental precautions:** 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**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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### Section 7- Handling and storage PERFLEX-PURE

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#### Handling:

· **Precautions for safe handling**

Store in cool, dry place in tightly closed receptacles.

Prevent formation of dust.

Provide suction extractors if dust is formed.

· **Information about fire - and explosion protection:**

Protect against electrostatic charges.

Keep ignition sources away - Do not smoke.

Dust can combine with air to form an explosive mixture.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

· **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.

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**Section 8- Exposure controls/ personal protection**  
**PERFLEX-PURE**

**Additional information about design of technical facilities:** No further data; see item 7.

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Avoid contact with the eyes and skin.  
Do not eat, drink, smoke or sniff while working.  
Do not inhale dust / smoke / mist.  
Use skin protection cream for skin protection.
- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter A/P2
- **Protection of hands:** Not required
- Eye Protection:** Tightly sealed goggles.

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**Section 9- Physical and Chemical properties**  
**PERFLEX-PURE**

**Information on basic physical and chemical properties**

- **General Information**
  - **Appearance:**  
**Form:** Granulate  
**Colour:** Different according to colouring
  - **Odour:** Odourless
  - **pH-value:** Not applicable.
  - **Change in condition Melting point/Melting range:** 343°C
  - Boiling point/Boiling range:** Undetermined.
  - **Flash point:** Not applicable.
  - **Flammability (solid, gaseous):** Product is not flammable.
  - **Ignition temperature:** 575°C
  - **Decomposition temperature:** > 450°C
  - **Danger of explosion:** Not determined.
  - **Density at 20°C:** 1.3 - 1.5 g/cm<sup>3</sup>
  - **Solubility in / Miscibility with water:** Insoluble.
  - **Segregation coefficient (n-octanol/water):** Not determined.
  - **Organic solvents:** 0.0 %
  - **Solids content:** 100.0 %
  - **Other information** No further relevant information available..
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**Section 10- Stability and reactivity**  
**PERFLEX-PURE**

**Reactivity**

- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications
- **Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Poisonous gases/vapors

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**Section 11- Toxicological information**  
**PERFLEX-PURE**

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No data available.
- **on the eye:** No data available.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.  
The substance is not subject to classification according to the latest version of the EU lists.

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**Section 12- Ecological information**  
**PERFLEX-PURE**

- **Toxicity**
- **Aquatic 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.

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**Section 13- Disposal considerations**  
**PERFLEX-PURE**

- **Waste treatment methods**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:**  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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**Section 14- Transport information**  
**PERFLEX-PURE**

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- **UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **ADR, IMDG, IATA** Void
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

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**Section 15- Regulatory information**  
**PERFLEX-PURE**

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- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labeling according to EU guidelines:**  
The substance is not subject to classification according to EU lists and other sources of literature known to us.  
Observe the general safety regulations when handling chemicals.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**NOTICE**

All information, recommendations and suggestions appearing herein concerning the product are based upon data obtained from the manufacturer and/ or recognized technical sources; however, PERFLEX LTD makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by PERFLEX LTD. As to the effects of such use, PERFLEX LTD does not assume any liability arising out of use by others of the products referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.

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