

## Material Safety Data Sheet

### 1. Company and Product Identification

**Issue Date:** 8/04/98

**Revision Date:** 10/18/10

**Company:** Wear –Concepts Inc.  
2845 E. Heartland Drive  
Liberty, Missouri 64068

**Telephone Number:** 816-587-1923

**Emergency Telephone Number:** 800-424-9300

**Internet:** [www.wearcon.com](http://www.wearcon.com)

**Product Name:** Wear-Con PGP190, PGP100 Natural or Colored

**Common Name:** Natural or Colored Ultra-High-Molecular-Weight Polyethylene (UHMW)

### 2. Composition/Information on Ingredients

*Chemical characteristics:* Polyethylene, Additives

*Carcinogenic Substances:* Neither the base product nor any of the additives are known to be carcinogenic.

### 3. Hazards Identification

No particular hazards known.

### 4. First Aid Measures

*Contact with Eyes:* This product is in solid sheet form. Always use proper eye protection when cutting or machining this material. In the event that dust or particles contact the eyes during subsequent machining or cutting, administer eyewash in same manner consistent with company safety policy and consult physician. The particles are not considered to be otherwise hazardous.

*Inhalation:* N/A

*Following Contact with Skin:* After contact with molten product, cool quickly with cold water. Do not pull product from skin. See physician for medical treatment.

### 5. Fire Fighting Measures

*Suitable Extinguishing Agents:* water, foam, dry powder, carbon dioxide

*Special Dangers:* CO<sub>2</sub> and CO

*Special Protective Equipment:* For major fires, Self-contained breathing apparatus and personal protective equipment may be needed for large fires.

### 6. Handling and Storage

Product includes a combustible polymer. Store in a manner as not to expose to open flame or temperatures above the crystalline melt range listed below.

### 7. Exposure Controls/Personal Protection

*General Protective Measures:* No protective clothing is required for handling this product. Avoid contact of molten material with the skin.

## 8. Accidental Release Measures

*None Required*

## 9. Physical and Chemical Properties

*Appearance:* solid plastic

*Odor:* None

*Physical Characteristics:* Crystalline Melt Temperature: 120-140°C

Ignition Temperature: >360°C

Solubility: Non Soluble in Water

## 10. Stability and Reactivity

*Thermal Decomposition:* >390°C

*Hazardous Reactions:* No hazards known.

## 11. Toxicological Information

*Remarks:* According to experience, this product is considered to be harmless to health if handled in the correct manner.

## 12. Ecological Information

*Disposal:* This product can normally be disposed of as normal solid waste for landfills. However, Wear-Concepts, Inc. holds no liability for disposal of this product. It is the user responsibility to comply with all local and state laws for proper disposal. Always consult the local regulatory agencies for proper disposal.

*Remarks:* The product is insoluble in water. Specific tests have not been run on this specific product, but it is not expected to be harmful to fish or bacteria. Always comply with local regulatory agencies for rules for proper disposal.

## 13. Transport Information

This product is considered a non-hazardous product.

## 14. Regulatory Information

None specified. Always check with local authorities.

## 15. Other Information

This information is believed by the technical staff at Wear-Concepts to be true and accurate for the normal and intended use of this product as of the date that this MSDS sheet was produced. Since Wear-Concepts' has no control over the actual use of this product, it is sole responsibility of the user to determine the proper protection with regards to safety and disposal of this product. Wear-Concepts' further recommends consulting local regulatory agencies to determine applicable laws and regulations.

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