# MATERIAL SAFETY DATA SHEET

**Date** Feb. 1, 2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name**: HIZEK

Quality Assurance Dept.
Prime Polymer Co., Ltd.
Shiodome City Center
1-5-2, Higashi-Shimbashi, Minato-ku
Tokyo 105-7117, Japan
Telephone: +81-3-6253-4630  Facsimile: +81-3-6253-4984

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
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<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS No.</th>
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<td>Polyethylene</td>
<td>&gt;99</td>
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Classification according to EC regulations
This product is not classified according to the EC regulations.

* Occupational exposure limits are, if available, listed in Section 8.

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**:
Odorless, white or milk-white pellet.
Can burn in a fire.
Slippery, can cause falls if walked on.

**POSSIBLE HEALTH EFFECTS**
Route(s) of Entry: Ingestion

**INHALATION**:
Pellet is not respirable as solid. Exposure to small amount of dust is not expected to present a hazard.
Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to respiratory tract.
This exposure may result in reddening, tearing, and soreness in the nose and throat together with coughing.
INGESTION:
The material is believed to present very little hazard, if swallowed.

SKIN CONTACT:
Not irritating. Rubbing may cause irritation similar to sand or dust. Molten polymer contacting the skin will cause thermal burns.

EYE CONTACT:
Solid or dust may cause irritation or scratch the surface of the eye. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to the eye.

CARCINOGENICITY:
NTP: Not listed.
IARC: 3 (Not classifiable as to carcinogenicity in humans)
[Polyethylene]
OSHA: Not regulated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
No information found.

4. FIRST AID MEASURES

INHALATION:
If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

EYE CONTACT:
Immediately flush eyes with plenty of water. Part eyelids with fingers to assure complete flushing. Check for and remove contact lenses if easily possible. Get medical attention if irritation persists.

SKIN CONTACT:
If molten polymer contacts the skin, cool immediately with cold water. Do not attempt to peel polymer from the skin. Get medical attention for thermal burn.

INGESTION:
Rinse mouth with water and give 1 or 2 glasses of water or milk. Get medical attention immediately. Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious or convulsing person.
5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES: See Section 9.

EXTINGUISHING MEDIA: Water fog, dry chemical, CO₂, foam

GENERAL HAZARD:
This material does not ignite easily, but will burn if involved in a fire. Products of combustion include irritating and poisonous gases.

FIRE FIGHTING INSTRUCTIONS
Keep unnecessary and unprotected personnel away. Remove containers to safe place if possible. Keep containers cool by spraying with water.

FIRE FIGHTING EQUIPMENT:
Respiratory and eye protection required for fire-fighting personnel.
Full protective equipment and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
Keep unnecessary and unprotected personnel away. Wear appropriate personal protective equipment as specified in Section 8. Area may be slippery - care should be taken to prevent falls.

ENVIRONMENTAL PRECAUTIONS:
Do not let this chemical enter the environment.

CLEAN-UP METHODS:
Vacuum or sweep up material and place in a disposal container. If in molten state, allow to cool and solidify before proceeding with disposal methods.
7. HANDLING AND STORAGE

HANDLING
Technical Measures:
- Use in well-ventilated area. Use explosion-proof electrical equipment. Take precautions against build-up of electrostatic charges.
- Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment.

Precautions:
- Use only under local exhaust ventilation.

Safe Handling Advice:
- Use explosion-proof (ventilating, lighting and material handling) equipment. Take precautions against build-up of electrostatic charges. Follow good industrial hygiene practices for clean-up.

STORAGE:
Storage Conditions:
- Keep away from heat, flame, ignition sources, and direct sunlight. Keep dry. Store indoors.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:
- Provide general ventilation. Use closed system or local exhaust ventilation. Provide safety shower and eye wash station near work area.

EXPOSURE LIMITS:
- Particulates (Not otherwise regulated)
  - OSHA-PEL: 15 mg/m³, 8 Hr. TWA, total dust
  - 5 mg/m³, 8 Hr. TWA, respirable dust
- Particulates (Not otherwise specified)
  - ACGIH-TLV: 10 mg/m³, 8 Hr. TWA, inhalable
  - 3 mg/m³, 8 Hr. TWA, respirable

PERSONAL PROTECTIVE EQUIPMENT
- Respiratory protection: Wear appropriate respirator when ventilation is inadequate.
- Hand protection: Protective gloves.
- Eye protection: Goggles, face shield.
- Protective clothing: Safety helmet, protective clothing, safety shoes.
9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : White or milk-white pellet.
ODOR : None.
pH : Not applicable.
MELTING POINT : 125~135 °C
FLASH POINT : >200 °C
EXPLODABILITY : Not available.
SPECIFIC GRAVITY : 0.94~0.96
SOLUBILITY IN WATER: Insoluble.

10. STABILITY AND REACTIVITY

STABILITY : Stable under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:
Strong oxidizers, heat.

HAZARDOUS DECOMPOSITION PRODUCTS : Carbon oxides in fire.

HAZARDOUS POLYMERIZATION : Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : Not available.
LOCAL EFFECTS : Not available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY : Not available.
PERSISTENCY/DEGRADABILITY : Not available.

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES :
Whatever cannot be saved for recovery may be burned in an approved incinerator or disposed in approved waste facility. Ensure compliance with local, state, federal and national regulations.

CONTAMINATED PACKAGING :
Empty the container completely before disposal.

14. TRANSPORT INFORMATION

UN Class : Not a hazardous material.
UN Number : None.
15. REGULATORY INFORMATION

UNITED STATES
OSHA STATUS:
This product is not hazardous under the criteria of Federal

CERCLA REPORTABLE QUANTITY: None

SARA Title III:
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None
SECTION 311/312 HAZARDOUS CATEGORIES:
Non-hazardous under section 311/312.
SECTION 313 TOXIC CHEMICALS: None

CALIFORNIA PROPOSITION 65:
This product contains no chemicals known to the state of
California to cause cancer and reproductive toxicity.

Labeling according to EC Directive:
This product is not classified according to the EC regulations.

16. OTHER INFORMATION

This MSDS was prepared in compliance with EUDirective 91/155/EEC
as amended by 2001/58/EC and USA OSHA Hazard Communication

To the best of our knowledge, the information contained herein
is accurate.
However, we cannot assume any liability whatsoever for the
accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole
responsibility of the user. All materials may present unknown
hazards and should be used with caution. Although certain hazards
are described herein, we cannot guarantee that these are the
only hazards that exist.

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