

## MATERIAL SAFETY DATA SHEET

Aug. 2003

SK Chemicals Co., Ltd  
948-1, Daechi-3-dong, Kangnam-ku, Seoul, Korea  
Emergency Tel. No.: 82-2-2008-2292

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### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME : SKYGREEN PETG K2012  
MANUFACTURER/SUPPLIER : SK Chemicals CO., Ltd  
CHEMICAL NAME : PETG Copolyester  
MOLECULAR FORMULA : Not applicable  
MOLECULAR WEIGHT : Not applicable  
SYNONYMS : Not applicable

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### 2. COMPOSITION / INFORMATION OF INGREDIENTS

This product is not classified as hazardous based on compositional information.  
CAS Registry No.: 25038-91-9  
100 % Copolyester

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### 3. HAZARD IDENTIFICATION

Molten polymer will cause thermal burns.

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### 4. FIRST AID MEASURES

**INHALATION** : If you have some symptom, get fresh air and medical attention.  
**EYES CONTACT**: If you contact with molten material, cool as quickly as possible with water,  
and then go to see a physician for treatment of burn.  
**INGESTION** : Not expected to be absorbed from the gastrointestinal tract.

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## 5. FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA :

- **Suitable:** Carbon dioxide, water and sand
- **Unsuitable:** Not to be known to SK Chemicals

### DANGEROUS PRODUCT AFTER DECOMPOSITION :

Combustion will produce carbon dioxide and probably carbon monoxide.

**SPECIAL EQUIPMENT FOR FIRE FIGHTERS :** Breathing apparatus and protective clothing

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## 6. ACCIDENTAL RELEASE MEASURES

Sweep and Remove

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## 7. HANDLING AND STORAGE

### STORAGE :

Store container in a well dry/cool place.

Keep away from any source of ignition.

### HANDLING :

Protect from moisture and impurities.

Keep the floor clear of pellets.

**DANGEROUS REACTION :** Not dangerous reaction are known.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT :

- **HANDS :** Gloves should be worn to protect against thermal burns.
- **EYES :** Safety glasses should be worn in any type of industrial operation.

### RESPIRATORY PROTECTION :

If you can not control the airborne concentration under an acceptable level, wear the approved respirator.

(Dust, Organic vapor type)

### HAND OR EYE PROTECTION :

Minimize skin or eye contact and wear gloves or safety glasses to protect against thermal burns.

**INDUSTRIAL HYGIENE :** Prevent eye contact, minimize skin contact and inhalation of dust

**THRESHOLD LIMIT VALUE(TLV) :** Not established

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## 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE : Solid Pellet (Spherical Type)  
COLOR : Colorless  
ODOR : No apparent odor  
SPECIFIC GRAVITY : 1.27 / 23°C  
VAPOR PRESSURE : Negligible  
EVAPORATION RATE : Not applicable  
BOILING POINT : Not available  
VISCOSITY AT AMBIENT TEMPERATURE : Not available  
SOLUBILITY IN AMBIENT WATER : Negligible  
pH : Not applicable  
FLASH POINT : Not applicable  
LOWER FLAMMABLE LIMIT : Not available  
UPPER FLAMMABLE LIMIT : Not available  
AUTOIGNITION TEMPERATURE : Not available

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## 10. STABILITY AND REACTIVITY

STABILITY : Stable  
DANGEROUS REACTION : Will Not Occur

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## 11. TOXICOLOGICAL INFORMATION

INHALATION : Low hazard for usual industrial handling  
EYES : Molten material will cause thermal burns.  
SKIN : Molten material will cause thermal burns.  
INGESTION : Expected to be a low ingestion hazard

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## 12. ECOLOGICAL INFORMATION

MOBILITY : No applicable  
BIODEGRADABILITY : Not biodegradable  
WATER TOXICITY : Not Toxic

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### 13. DISPOSAL CONSIDERATIONS

Discharge, disposal and incineration may be subject to national laws.

Physically & Chemically Recyclable

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### 14. TRANSPORTATION

DOT(USA) : Class not regulated

ICAO (Air) : Class not regulated

IMDG (Sea) : Class not regulated

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### 15. REGULATION INFORMATION

**TSCA (US Toxic Substances Control Act) :**

SKYGREEN PETG K2012 is in compliance with TSCA inventory requirements for commercial purposes.

**EINECS (European Inventory of Existing Commercial Chemical Substances) :**

SKYGREEN PETG K2012 is listed on EINECS.

**DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act) :**

SKYGREEN PETG K2012 is registered in the DSL or in compliance with CEPA new substance notification requirements.

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### 16. OTHER INFORMATION

#### Users Responsibility

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is intended for use only by persons having the necessary technical skills and at their own discretion and risk.

Recipients of our product must take responsibility for observing existing law and regulation.

If you want to get other information, please, contact us anytime by e-mail.

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