

MATERIAL SAFETY DATA SHEET

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Emergency Tel. : 82-2-2008-2295, SKYGREEN Marketing Team

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME : SKYGREEN PETG K2012
MANUFACTURER/SUPPLIER : SK Chemicals Co., Ltd
MSDS PREPARED BY : SK Chemicals SKYGREEN
CHEMICAL NAME : PETG Copolyester
SYNONYMS : Not applicable
MOLECULAR FORMULA : Not applicable
MOLECULAR WEIGHT : Not applicable
PRODUCT USE : plastic

2. COMPOSITION / INFORMATION OF INGREDIENTS

This product is not classified as hazardous based on compositional information.

<u>Component</u>	<u>Weight %</u>	<u>CAS Registry No.</u>
Copolyester	100	25038-91-9 or 25640-14-6

3. HAZARD IDENTIFICATION

WARNING!

MOLTEN POLYMER WILL CAUSE THERMAL BURNS.

PLEASE, GIVE ALL YOUR ATTENTION NOT TO BE BURNED BY MOLTEN POLYMER.

4. FIRST AID MEASURES

INHALATION : If you have some symptom, get fresh air and medical attention.

EYES CONTECT: If you contact with molten material, cool as quickly as possible with water, and then go to see a physician for treatment of burn.

SKIN CONTECT: Wash with cool water as quickly as possible.

Do not peel molten polymer from skin, before you see a physician for medical advices.

INGESTION : Not expected to be absorbed from the gastrointestinal tract.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Carbon dioxide, water and sand

DANGEROUS PRODUCT AFTER DECOMPOSITION :

Combustion will produce carbon dioxide and probably carbon monoxide.

SPECIAL FIRE-FIGHTING METHODS : Wear self-embraced breathing equipment and a fire-fighting cloth

6. ACCIDENTAL RELEASE MEASURES

Sweep and Remove

7. HANDLING AND STORAGE

STORAGE :

Store the material in a closed container.

HANDLING :

Protect from moisture and impurities.

Keep the floor clear of pellets.

DANGEROUS REACTION : Not dangerous reaction are known.

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

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

10. STABILITY AND REACTIVITY

STABILITY : Stable

DANGEROUS REACTION : Will Not Occur

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

12. ECOLOGICAL INFORMATION

MOBILITY : No applicable

BIODEGRADABILITY : Not biodegradable

WATER TOXICITY : Not Toxic

13. DISPOSAL CONSIDERATIONS

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

Physically & Chemically Recyclable

14. TRANSPORTATION

DOT(USA) : Class not regulated

ICAO (Air) : Class not regulated

IMDG (Sea) : Class not regulated

15. REGULATION INFORMATION

TSCA (US Toxic Substances Control Act) :

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

EINECS (European Inventory of Existing Commercial Chemical Substances) :

All components of SKYGREEN K2012 are listed on EINECS.

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

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

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): SKYGREEN K2012 is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemicals Substances): SKYGREEN K2012 is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): SKYGREEN K2012 is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

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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