

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

PRODUCT NAME: BG- 4800

COMPANY IDENTIFICATION

TLC KOREACo., Ltd.
74, makgol-gil, Hojeomyeon, Wonju-City,
Gangwon-Do, Korea 220-926

EMERGENCY TELEPHONE AND FACSIMILE NUMBER

Tel: +82-33-732-9157
Fax: +82-33-732-9158

CREATION DATE: DEC. 12. 2014

2. COMPOSITION / INFORMATION ON INGREDIENT

COMMON CHEMICAL NAME: BG - 4800

Component	TYPICAL CONCENTRATION, %
Polylactide Resin	> 100%

CAS No. : 9051-89-2

3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

SKIN CONTACT: No evidence of harmful effects from available information.

SKIN ABSORPTION: No evidence of harmful effects from available information.

EYE CONTACT: No evidence of harmful effects from available information.

INHALATION: Short-term harmful health effects are not expected from vapor generated

at ambient temperature.

4. FIRST AID MEASURES

EYE CONTACT: Flush eyes thoroughly with water for several minutes.

Remove contact lenses if worn.

SKIN CONTACT: Wash skin with soap and water.

INHALATION: Remove to fresh air.

SWALLOWING: If patient is fully conscious, rinse mouth with water.

5. FIRE FIGHTING MEASURES

FIRE FIGHTING GUIDANCE: Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

EXTINGUISH MEDIA: carbon dioxide, water, halogens, sand, alcohol-type foam, all-purpose-type foam.

FLASH POINT: Not currently available

FLAMMABLE LIMITS IN AIR: Not determined.

AUTO IGNITION TEMPERATURE: 375 °C

UNUSUAL FIRE AND EXPLOSION HAZARDS: Static ignition might result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material.

HAZARDOUS COMBUSTION PRODUCTS: Burning can produce carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as asphyxiant.

6. ACCIDENTAL RELEASE MEASURES

PROCEDURE WHEN MATERIAL IS RELEASED OR SPILLED:

Shut off ignition sources. Cover with sweeping compound. Collect for disposal.

Observe government regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING:

Electrically bond and ground all containers, personnel and equipment before transfer or use of material.

Protect from moisture and impurities.

Do not handle or empty in presence of flammable vapor.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

PRECAUTIONS TO BE TAKEN IN STORING:

Store container in a well dry/cool place.

Keep away from any source of ignition.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

INHALATION (ACGIH):

TLV = Not established.

Electrically bond and ground all containers, personnel and equipment before

VENTILATION: Special, local ventilation is recommended in areas where containers are opened and their contents are discharged or in any other areas where dusting conditions may develop.

PERSONAL PROTECTIVE EQUIPMENT:

EYE: Safety glasses or monogoggles

OTHER: Eye bath, safety shower

GLOVES: Protective gloves

RESPIRATORY PROTECTION: Dust respirator, if dusting conditions exist.

9. PHYSICAL CHEMICAL PROPERTIES

APPEARANCE: white

ODOR: Mild

PHYSICAL STATE: Pellets

BOILING POINT: Not determined.

SPECIFIC GRAVITY: 1.25~1.26 g/ml ASTM D792

SOLUBILITY IN WATER: Not determined.

pH: Not currently available.

VAPOR PRESSURE: Not applicable.

VAPOR DENSITY: Not applicable.

FREEZING POINT: Not determined.

MELTING POINT: 165~170 °C

10. STABILITY AND REACTIVITY

STABILITY / INSTABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not polymerize.

INHIBITORS / STABILIZER: **Not applicable.**

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: Oral rat LD₅₀: more than 5,000 mg/kg

12. ECOLOGICAL INFORMATION

ECOTOXICITY: OECD Guidelines for the Testing of Chemicals 202(1984)
EC₅₀ (Median Effective Concentration) : more than 20%

13. DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Landfill where permitted under appropriate Federal, State, and local regulations. Dispose in accordance with all applicable Federal, State, Provincial, and local environmental regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

14. TRANSPORT INFORMATION

Hazardous material is not.

15. REGULATORY INFORMATION

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS:

For industry use only.

When process BG - 4800 resin after more than 1 year of storage, re-dry before processing.

The shelf life of the products made by BG- 1000 should be less than 6 months for thin parts(e.g. films and filaments) and less than 1 year for thick

parts (e.g. sheet and injection).

Please contact us for products more than 1 year of shelf life.