Material Safety Data Sheet
BTTCOPEG – 600 (Polyethylene Glycol – 600)

Section 1- Chemical Product and Company Identification

TRADE NAME : BTTCOPEG – 600 (Polyethylene Glycol – 600)
CHEMICAL NAME : Polyethylene Glycol – 600
SYNONYMS : PEG-600, Polyethylene Glycol 600, Polyoxyethylene Glycol 600, Macrogol 600, Poly(ethylene glycol) 600, Ethylene Oxide Condensate, Oxyethylene Polymer, Carbowax 600, Alpha-Hydro-Omega-hydroxypoly(oxyethylene), Polyoxyethylene 600

Molecular Formula : (C2H4O)nH2O
Molecular Weight : 600 gram/mole
CAS-No : 25322-68-3

Company Name and Address: The BTTCO Overseas
6, Ashirvad Complex, Nr. Sardar Patel Seva Samaj Hall,
Navrangpura, Ahmedabad – 380009

Contact Person : Mr. Dinesh Lunkad
Emergency Contact No. : +91 94265 96891

Section 2 - Composition/Information On Ingredients

Substance type : Polymer

Chemical name	CAS-No	Weight %
POLYETHYLENE GLYCOL 600	25322-68-3	100

Section 3 - Hazards Identification

Classification according to Regulation (EC) No. 1272/2008 [CLP] : Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Labelling according to Regulation (EC) No. 1272/2008 [CLP] : No labelling applicable
Other hazards : No additional information available

Section 4 - Emergency And First Aid Procedures

EYE : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

SKIN : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water.

INHALATION : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

INGESTION : Rinse mouth out with water. If you feel unwell, seek medical advice. Call a poison center or a doctor if you feel unwell.

First-aid measures general : If you feel unwell, seek medical advice. First aid workers will be equipped with suitable persona protective equipment. Treat symptomatically.

Section 5 - Fire Fighting Measures

Extinguishing media (Suitable) : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2). Water spray. Dry powder. Foam. Carbon dioxide

Unsuitable extinguishing media : Do not use a heavy water stream.

Protective Equipment : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Further Firefighting advice : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Fire and Explosion hazards : No fire hazard.
No direct explosion hazard.
Toxic fumes may be released.

Section 6 - Accidental Release Measures

Personal protection/ precautions : Stop leak if safe to do so. Notify authorities if product enters sewers

or public waters. Absorb spillage to prevent material damage. Wear recommended personal protective equipment. Stop release. Evacuate unnecessary personnel. Stop leak if safe to do so.

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions : Avoid release to the environment.

Methods for containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods of cleaning up : Take up liquid spill into absorbent material. Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Other information : For further information refer to section 13.

Section 7 - Handling And Storage

General information on Handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage

General information on Handling : Keep in a cool, well-ventilated place away from heat. Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture.

Packing material : Store always product in container of same material as original Container.

Section 8 - Exposure Controls/Personal Protection Information

Control parameters : No additional information available

Engineering measures : Ensure good ventilation of the work station.

Individual protection measures, such as personal protective equipment

Personal protective Equipment : Wear recommended personal protective equipment.

Hand Protection : Protective gloves

Eye/Face Protection : Chemical goggles or safety glasses

Skin/Body Protection : Wear a mask

Respiratory Protection : Wear appropriate mask

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Environmental exposure Controls : Avoid release to the environment.

Section 9 - Physical Data /Physical and Chemical Properties

Basic physical and chemical Properties

Physical state : Liquid
Colour : Colourless
Appearance : Clear. Viscous liquid
Molecular mass : 570 – 630 g/mol
Odour : slight odour
Odour threshold : Not available
Melting point : Not applicable
Freezing point : 17 – 23 °C
Boiling point : > 250 °C
Flammability : Non flammable

Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 220 °C
Auto-ignition temperature	: 380 °C
Decomposition temperature	: Not available
pH	: 6 – 7 at 10 g/l at 23 °C
Viscosity, kinematic	: 133.333 – 168.889 mm²/s
Viscosity, dynamic	: 150 – 190 mPa·s at 20 °C
Solubility	: Water: Miscible with water
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: < 0.01 hPa at 20°C
Vapour pressure at 50°C	: Not available
Density	: 1.125 g/cm³
Relative density	: 1.126 – 1.128
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable
Refractive index	: ≈ 1.469 (20°C; 589 nm)

Section 10 – Stability and Reactivity Data

REACTIVITY : The product is non-reactive under normal conditions of use, storage and transport.

STABILITY : Stable under normal conditions.

Possibility of Hazardous Reactions : No dangerous reactions known under normal conditions of use.

Conditions to Avoid : Direct sunlight. Air contact. Moisture.

Incompatible materials : No additional information available

Hazardous decomposition Products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Toxicological data:

Acute Oral toxicity	: Not classified
Acute inhalation toxicity	: Not classified
Acute dermal toxicity	: Not classified
Skin irritation	: Not classified, pH: 6 – 7 at 10 g/l at 23 °C

Eye irritation	: Not classified, pH: 6 – 7 at 10 g/l at 23 °C
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 133.333 – 168.889 mm^2/s
Information on other hazards	: No additional information available

Section 12 - Ecological Information

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term(acute)	: Not classified
Hazardous to the aquatic environment, long–term(chronic)	: Not classified
Persistence and Degradability	: Rapidly degradable
Bio accumulative potential	: No additional information available
Mobility in soil	: No additional information available
Results of PBT and vPvB assessment	: No additional information available
Endocrine disrupting Properties	: No additional information available

Section 13 - Disposal Consideration

Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

Section 14 Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID
Transport hazard class(es) (ADR) : Not regulated
Transport hazard class(es) (IMDG) : Not regulated
Transport hazard class(es) (IATA) : Not regulated
Transport hazard class(es) (ADN) : Not regulated
Transport hazard class(es) (RID) : Not regulated

Section 15 Regulatory Information

EU-Regulations

REACH Annex XVII (Restriction List) : Not listed on REACH Annex XVII
REACH Annex XIV (Authorisation List) : Not listed on REACH Annex XIV (Authorisation List)
REACH Candidate List (SVHC) : Not listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent) : Not listed on the PIC list (Regulation EU 649/2012)
POP Regulation (Persistent Organic Pollutants) : Not listed on the POP list (Regulation EU 2019/1021)
Ozone Regulation (2024/590) : Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Council Regulation (EC) for the control of dual-use items : Not listed on the COUNCIL REGULATION (EC) of dual-use items.
Explosives Precursors Regulation (EU 2019/1148) : Not listed on the Explosives Precursors list (EU)
Drug Precursors Regulation (EC 273/2004) : Not listed on the Drug Precursors list (EU)

National regulations
France/ Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water
(Classification according to AwSV; ID No. 279).

Netherlands
SZW-list van kankerverwekkende stoffen : The substance is not listed
SZW-list van mutagene stoffen : The substance is not listed
SZW-list van reprotoxische stoffen – Borstvoeding : The substance is not listed
SZW-list van reprotoxische

stoffen –Vruchtbaarheid : The substance is not listed
SZW-list van reprotoxische stoffen – Ontwikkeling : The substance is not listed

Poland
Polish National Regulations:

- Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).
- Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J.o L. 2020, item 797).
- The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).
- Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. oL. 2014, item 1923).
- Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).
- Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).
- The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)
- Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).
- Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).
- ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

Other information : No chemical safety assessment has been carried out

Section 16 Other Information

Disclaimer:
This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. While this information and recommendations set forth are believed to be accurate as of the date hereof, **BTTCOGROUP** makes no warranty with respect hereto and disclaims all liability from reliance thereon.

Date: 01.04.2025
Place: Ahmedabad, Gujarat, India