



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1



This Data Sheet contains important information.
READ AND KEEP FOR REFERENCE.

INSTRUCTIONS

Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: Graco TSL

Product code (Part Numbers): 206994, 206995, 206996

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the product: Special lubricant

Created Date: 2013.8.19

English SDS(GHS): 307765EN-ZAC

Details of the supplier of the safety data sheet:

Address: 1-27-12 Hayabuchi, Tsuzuki-ku, Kanagawa 224-0025

Telephone number: +81-45-593-7300

FAX: +81-45-593-7301

URL: www.graco.com

Emergency Phone Number: For Chemical Emergency – Spill, Leak, Fire, Exposure, or Accident.

1-800-424-9300 (CHEMTREC, within USA/Canada)

1-703-741-5970 (CHEMTREC, Outside USD/Canada)

Section 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

Not classified/Classification not possible

Label elements

No GHS label element

No Signal word

Section 3. Composition/information on ingredients

Mixture/Substance selection: Substance

Ingredient name	CAS No.	Content (%)	Chemicals No., Japan
Phthalic acid, bis(2-propylheptyl) ester	53306-54-0	80 - 100	3-1307

Note: The figures shown above are not the specifications of the product.

Components contributing to the hazard:

Not applicable Component come under Poisonous Substance(s) and Deleterious Substance(s) list of Poisonous and Deleterious Substances Control Law, Japan Labeling, etc. article of Industrial Safety and Health Act, Japan Deliver of Documents, etc. article of Industrial Safety and Health Act, Japan and Harmful Substances article of PRTR Law, Japan.



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1

Section 4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor/physician if you feel unwell.

IF ON SKIN (or hair)

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

IF IN EYES

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

IF SWALLOWED

Rinse mouth. Do NOT induce vomiting.
Call a POISON CENTER/doctor/physician if you feel unwell.
Most important symptoms and effects, both acute and delayed
Specific information on symptom and effect are unknown.
Indication of any immediate medical attention and special treatment needed
Information on indication of any immediate medical attention and special treatment needed is not available.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use alcohol-resistant foam, dry powder, CO2 to extinguish.

Unsuitable extinguishing media

Do not use direct water jet.

Specific hazards arising from the substance or mixture

Will form toxic carbon oxides upon combustion.

Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.
Cool container with water spray.
Prevent extinguishing water from entering sewers.
Move containers from fire area if this can be done without risk.

Special protective equipment and precautions for fire-fighters

Wear fire resistant or flame-retardant clothing.
Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

Section 6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Keep unauthorized personnel away.
Wear proper protective equipment.
Eliminate all sources of ignition and ventilate the area.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.
Do not wash away into sewers or waterway.



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1

Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.
For large spill, dike for later disposal.
Use clean non-sparking tools to collect absorbed material.

Preventive measures for secondary accident

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Section 7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Avoid breathing mist/vapors/spray.

(Protective measures against fire and explosion)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(Safety treatments)

Avoid contact with skin.
Avoid contact with eyes.

Safety Measures

Use personal protective equipment as required.

Any incompatibilities

Acids, Strong oxidizing agents should not be mixed with the chemicals.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Store in a well-ventilated place. Keep container tightly closed.
Keep cool. Protect from sunlight.

(Incompatible storage condition)

Avoid heat and sources of ignition (flames, sparks, etc.).

Container and packaging materials for safe handling data is not available.

Section 8. Exposure controls/personal protection

Control parameters

Control value in MHLW is not available.

Adopted value

Adopted value in JSOH is not available.
Adopted value in ACGIH is not available.

Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.
Eye wash station should be available.
Washing facilities should be available.

Individual protection measures

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Wear protective gloves. Recommended material(s): neoprene, nitrile

Eye protection



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1

Wear safety glasses with side-shields or chemical safety goggle.

Skin and body protection

Wear protective clothing.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: Colorless, Clear

Odor: Mild sweet odor

Melting point/Freezing point data is not available.

Boiling point or initial boiling point: 260°C (1.33kPa)

Boiling range data is not available.

Flammability (gases, liquids and solids): Combustible

Lower and upper explosion limit/flammability limit data is not available.

Flash point: (Cleveland open cup method) 240°C

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity: 32mm²/s (40°C)

Solubility:

Solubility in water: Slightly soluble

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure: 13.33 Pa (155°C)

Density and/or relative density: 1.166 g/cm³ (15.6°C)

Relative vapor density (Air=1) data is not available.

Particle characteristics: Not applicable

Section 10. Stability and Reactivity

Reactivity

Reactivity data is not available.

Chemical stability

Stable under normal storage/handling conditions.

Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

Conditions to avoid

Avoid heat and sources of ignition (flames, sparks, etc.).

Incompatible materials

Acids, Strong oxidizing agents

Hazardous decomposition products

The following substances are produced by pyrolysis.

Carbon oxides

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1

Acute toxicity (Oral)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Acute toxicity (Dermal)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Acute toxicity (Inhalation)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Irritant properties

Skin corrosion/irritation

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Serious eye damage/irritation

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Sensitization

Respiratory sensitization

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Skin sensitization

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Germ cell mutagenicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Carcinogenicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Reproductive toxicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1

Specific target organ toxicity (STOT)

STOT-single exposure

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

STOT-repeated exposure

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Aspiration hazard

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Section 12. Ecological Information

Toxicity

Aquatic toxicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Persistence and degradability

Persistence and degradability data is not available.

Bio accumulative potential

Bio accumulative potential data is not available.

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Dispose to an authorized waste collection point.

Do not dump into sewers, on the ground or into any body of water.

Contaminated packing

Dispose of container after using the contents completely.

Section 14. Transport Information

UN No., UN CLASS

UN Number or ID Number: Not applicable

UN Proper Shipping Name: Not applicable



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1

Class or division (Transport hazard class): Not applicable

Packing group: Not applicable

IMDG Code (International Maritime Dangerous Goods Regulations)

UN Number or ID Number: Not applicable

UN Proper Shipping Name: Not applicable

Class or division (Transport hazard class): Not applicable

Packing group: Not applicable

IATA (Dangerous Goods Regulations)

UN Number or ID Number: Not applicable

UN Proper Shipping Name: Not applicable

Class or division (Transport hazard class): Not applicable

Packing group: Not applicable

Environmental hazards

Marine pollutants (yes/no): no

Special precautions for user

Special precautions for user is not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Noxious Liquid Substances; Cat. X

Applicable

Rules and regulations on domestic transport

Not applicable to Ship Safety Act

Not applicable to Civil Aeronautics Act

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Poisonous and Deleterious Substances Control Law, Japan

The product is not applicable to Toxic/harmful substances control law, Japan

Industrial Safety and Health Act, Japan

The product is not applicable to Specified Substances in Japan.

The product is not applicable to Organic Solvents control law, Japan

The product is not applicable to the Dangerous or Harmful Substances Subject to Be Indicated their Names, etc.

PRTR law, Japan (valid until 31 March, 2023)

The product is not applicable to Pollution Release and Transfer Register (PRTR) law, Japan (valid until 31 March, 2023)

PRTR law, Japan (effective from 1 April, 2023)

The product is not applicable to Pollutant Release and Transfer Register (PRTR) law, Japan (Effective from 1 April, 2023)

Fire Service Act, Japan

Hazardous materials

Petroleum Gr.4, (Class III) (Designated quantity 6,000L)

Not applicable to Specified Chemical Substances, Monitoring Chemical Substances or Priority Assessment Chemical Substances of Chemical Substances Control Law, Japan.

Section 16. Other information

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2020 Edition (Incorporating Amendment 40-20)



Safety Data Sheet

307765ENJP

Rev. A

Revision Date: 2023.1.1

IATA Dangerous Goods Regulations (62nd Edition) 2021
 2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
 2022 TLVs and BEIs. (ACGIH)
 JIS Z 7252: 2019
 JIS Z 7253: 2019
 2021 Recommendation on TLVs (JSOH)
 Notification No. 0111-1 (January 11, 2022), Chemical Hazards Control Division, Industrial Safety and Health Department, Labour Standards Bureau, Ministry of Health, Labour and Welfare
 Supplier's data/information
 GESTIS-Stoffdatenbank
 Pub Chem (OPEN CHEMISTRY DATABASE)

General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety. The GHS classification data given here is based on current Japan official data (NITE published in 2021).

Note: Sections 2 – 16 are provided by the material provider's SDS.

Prepared By	Graco K.K.
--------------------	------------

This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we have received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this Data Sheet may not be adequate for all individuals and/or situations. It is the users' obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

All written and visual data contained in this document reflects the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Headquarters: Minneapolis
International Offices: Belgium, Korea, Hong Kong, Japan
GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441
www.graco.com