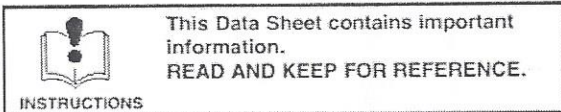


Material Safety Data Sheet



307765
Rev. W
Updated: 11-July



Website: www.graco.com
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Section 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Throat Seal Liquid (TSL)
Manufacturer / Supplier:
Graco Inc.
P.O. Box 1441
88-11th Ave. NE
Minneapolis, MN 55413

Contact Information:
Health Emergency (RMPC): (303)- 623-5716
Chemical Spills (Chemtrec): (800)- 424-9300
E-mail: customerservice@graco.com

Part

Number(s): 238049 (4 oz.), 206994 (8 oz.), 206995 (32 oz.), 206996 (1 gal), 206997 (12 qt.), 206998 (4 gal), 24C822(19.3 GRAMS), 24C823(19.3 GRAMS)

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	%	CAS NUMBER	EINECS/ECNUMBER
Phthalate ester	100	Trade secret	Trade secret

SECTION 3 EU HAZARDS IDENTIFICATION

None. This product does not require hazard labeling in accordance with current EC Directives.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Flush eyes with large amounts of water for two to three minutes. Remove any contact lenses and continue flushing for fifteen minutes.

SKIN CONTACT: Flush exposed areas with plenty of soap and water. Remove contaminated clothing, including shoes, and launder before reuse.

INGESTION: Rinse mouth and drink plenty of water. Do not induce vomiting; seek medical attention if discomfort persists.

INHALATION: Keep patient calm remove to fresh air.

SECTION 5 FIRE FIGHTING MEASURES

NFPA CODES: HEALTH - 1
FLAMMABILITY - 1
REACTIVITY - 0
SPECIAL - Not applicable.

FLASHPOINT: 236°C (DIN/EN 22719; ISO 2719).

FLAMMABLE LIMITS: Not determined.

AUTOIGNITION TEMPERATURE: 345°C (DIN 51794)

GENERAL HAZARD: Evacuate personnel upwind of fire to avoid inhalation of irritating and/or harmful fumes and smoke.

EXTINGUISHING MEDIA: Chemical type foam, carbon dioxide, dry chemical, water fog.

HAZARDOUS COMBUSTION PRODUCTS: Fumes, smoke, carbon dioxide and carbon monoxide.

FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed surfaces and to protect personnel. Shut off 'fuel' to fire. Use fire extinguishing materials listed above to extinguish fire.

SPECIAL PRECAUTIONS: Avoid spraying water directly into large containers due to danger of boilover.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of an SCBA may not be required.

STATIC DISCHARGE SENSITIVITY: Not determined.

IMPACT SENSITIVITY: Material is not impact sensitive.

NOTE: For small containers of material, it should be considered if there will be less damage by allowing the material to burn to exhaustion rather than fighting the fire and risk causing environmental contamination and other problems. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

SECTION 6 ACCIDENTAL RELEASE MEASURES

LAND SPILL: Wearing the appropriate personal protective equipment designated in SECTION 8, move the container, close or cap valves and/or block or plug hole leaking container and transfer to another container if safe to do so. Contain spilled liquid with sand or earth. Recover by pumping (use explosion proof equipment) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL: This material is lighter than water and will form an oily slick on the water. Notify port or relevant authority and keep public away. Shut off source if possible to do so without hazard. Confine if possible using absorbent booms or other suitable floating materials. Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.

GENERAL PROCEDURES: Eliminate ignition sources, if possible, without causing unreasonable risk to people or the environment. Remove containers of strong oxidizers from the release area.

RELEASE NOTES: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S., contact the U.S. Coast Guard National Response Center toll free at 800-424-8802.

In case of accident or road spill contact:
ChemTrec in U.S.A. at 800-424-9300.
CANUTEC in Canada at 613-996-6666.
ChemTrec, other countries, at +1 202 483 7616.

ADDITIONAL INFORMATION: See SECTION 13 for disposal information and SECTION 15 for regulatory requirements. Large and small spills may have a broad definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

SECTION 7 HANDLING AND STORAGE

HANDLING: Use appropriate personal protective equipment as specified in SECTION 8. Handle in a well ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

STORAGE: Store in unopened containers under cool, dry conditions. Do not store with, or close to oxidizers. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. This material is not considered a static accumulator but use proper bonding and/or grounding procedures.

ADDITIONAL INFORMATION: Do not pressurize, cut, heat or weld containers. Empty product containers contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS FOR COMPONENTS:

	OSHA TWA	NIOSH TWA	ACGIH TWA	CANADA TWA
Phthalate ester	NL	NL	NL	NL

NL = Not Listed

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.
ODOR: Faint odor.
APPEARANCE: Water white fluid.
pH: ~6 (organic).
VAPOR PRESSURE: <0.0001 mbar @ 50°C.
<0.0003 mbar @ 100°C.
VAPOR DENSITY: Greater than air.
BOILING POINT: 251-254°C @ 7 mbar.
POUR POINT: -48°C (DIN/ISO 3016).
SOLUBILITY IN WATER: Negligible.
EVAPORATION RATE (n-Bu Acetate=1): Negligible.
DENSITY: 0.96 g/cm³ @ 20°C (DIN 51757).
VISCOSITY: 115-130 mPa*s @ 20°C).
MOLECULAR WEIGHT: Not determined.

SECTION 10 STABILITY AND REACTIVITY

STABLE: Yes.
HAZARDOUS POLYMERIZATION: No.
CONDITIONS TO AVOID: Heat.
MATERIALS TO AVOID: Strong oxidizing agents.
HAZARDOUS POLYMERIZATION: No.
HAZARDOUS DECOMPOSITION PRODUCTS: Fumes, smoke, carbon dioxide, carbon monoxide (toxic),

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE

INHALATION: Negligible hazard at ambient or recommended handling temperature.

SKIN CONTACT: Low order of toxicity. Frequent or prolonged contact may cause mild skin discomfort. Skin contact may aggravate an existing dermatitis condition.

LD50/rabbit: >2000 mg/kg.
Rabbit: non-irritant (OECD Guideline 404).

EYE CONTACT: Will cause slight eye discomfort, but will not injure eye tissue.
Rabbit: non-irritant (OECD Guideline 405).

INGESTION: Minimal toxicity (LD50/rat: >2000 mg/kg.)

TARGET ORGANS: Eyes, skin, gastrointestinal tract, respiratory system.

CARCINOGENICITY

IARC: Not listed.

NTP: Not listed.

OSHA: Not listed.

MUTAGENICITY: Not available.

REPRODUCTIVE EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Low acute toxicity to aquatic organisms is expected. This product is not classified as a marine pollutant.

ENVIRONMENTAL MOBILITY: This material contains materials similar to mineral oils, and as such will float on water and migrate from water to land.

ENVIRONMENTAL DEGRADABILITY: This material is considered biodegradable by OECD 301B, ISO 9439, 92/169/EEC (C.4-C, activated sludge, domestic). 70-80% material elimination in 28 days.

BIOACCUMULATIONS: Calculated bioaccumulation factor 3.16.

SECTION 13 DISPOSAL CONSIDERATIONS

The following information only applies to the product as supplied and are general recommendations. Combination with other materials may alter how the product can be disposed of. If in doubt, contact the local authorities regarding proper disposal methods.

DISPOSAL METHOD: Product is not suitable for disposal by landfill, sewers, drains, or natural streams and rivers. Product will not produce ash if burned, and may be incinerated at approved incineration sites. Always dispose of product at supervised incineration or other appropriate waste disposal sites according to current applicable laws and regulations.

EMPTY CONTAINERS: Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with EC, national and local regulations.

Plastic containers should be locally recycled after being drained of contents.

SECTION 14 TRANSPORT INFORMATION

DOT (Department of Transportation)

PROPER SHIPPING NAME: Not regulated.

SHIPPING NUMBER: Not applicable.

LABEL: Not applicable.

LAND (railroad / road, such as RID / ADR)

PROPER SHIPPING NAME: Not regulated for road / rail transport.

LABEL: Not applicable.

INLAND WATERWAYS (ADR / RID)

HAZARD CLASS, ITEM: Not determined.

SEA (IMO / IMDG)

PROPER SHIPPING NAME: Not regulated for sea transport.

LABEL: Not applicable.

AIR (ICAO / IATA)

PROPER SHIPPING NAME: Not regulated for air transport.

LABEL: Not applicable.

SECTION 15 REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311 / 312 HAZARD CATEGORIES:

ACUTE: NO.

FIRE: NO.

PRESSURE: NO.

REACTIVITY: NO.

313 REPORTABLE INGREDIENTS:

This material contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the emergency planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

None.

CERCLA (Comprehensive Response, Compensation, and Liability Act)

LISTED COMPONENTS: No components listed.

REPORTABLE QUANTITY (RQ): Not applicable.

TSCA (Toxic Substance Control Act)

TSCA REGULATORY: All intentional ingredients are listed on the TSCA Inventory.

NATIONAL RESPONSE CENTER: U.S. Coast Guard National Center telephone number is 1-800-424-8802.

CANADA

WHMIS (Worker Hazardous Materials Information System): Information not available.

WHMIS HAZARD SYMBOL: Information not available.

WHMIS HAZARD CLASSIFICATION: Information not available.

CANADA INGREDIENT DISCLOSURE LIST: Information not available.

CANADA ENVIRONMENTAL PROTECTION ACT: Information not available.

EUROPEAN COMMUNITY

None required

EUROPEAN REGULATORY: All intentional ingredients are listed on the European's EINECS Inventory.

GOVERNING DIRECTIVE: European Community Council Directive 67/548/EEC.

SECTION 16 OTHER INFORMATION

NFPA:	HEALTH – 1 FLAMMABILITY – 1 REACTIVITY – 0 SPECIAL – Not applicable	HMIS:	HEALTH – 0 FLAMMABILITY – 1 REACTIVITY – 0 PROTECTION – B
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This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used. Graco must rely on information provided by those materials manufacturers or distributors.

Prepared By	Graco, Inc.
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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.

NOTES: NA = Not Applicable; NE = Not Established; UN = Unavailable

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.

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