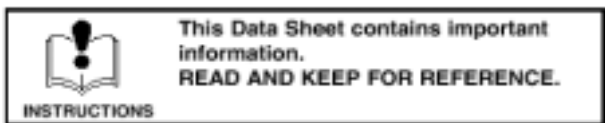


Material Safety Data Sheet



Website: www.graco.com
Search under "literature"

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

Emergency Information

Health Emergency (RMPC): (303)– 623–5716

Chemical Spills (Chemtrec): (800)– 424–9300

Part

Number(s): 238049 (4 oz.), 206994 (8 oz.), 206995 (32 oz.), 206996 (1 gal), 206997 (12 qt.), 206998 (4 gal), 239049 (3 qt.)

SECTION 2 HAZARDOUS COMPOSITION INFORMATION

INGREDIENTS	CAS #	%	OSHA TWA	OSHA STEL	ACGIH TWA	SKIN
Product contains no hazardous ingredients.	--	100	ND	ND	ND	NO
Comments:	ND-Not defined.					

SECTION 3 HAZARDOUS IDENTIFICATION

Potential health effects: No significant effects expected.

SECTION 4 FIRST AID MEASURES

Eye contact:	Flush thoroughly with water. If irritation occurs contact a physician.
Skin contact:	Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. Wash contaminated clothing before reuse.
Inhalation:	If overcome by inhalation of vapors, remove to fresh air. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.
Ingestion:	Not expected to be a problem when ingested. If uncomfortable seek medical assistance.
Other:	Not applicable.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: >200°C (COC).
Flammable limits: Not determined.
Extinguishing media: Use water spray, dry chemical, alcohol foam, all purpose AFFF or carbon dioxide to extinguish fire.
Special firefighting procedures: Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak.

Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible (safely). Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire.

Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

Unusual fire & explosion hazards:	None.
Byproducts of combustion:	Oxides of carbon.
Auto ignition temperature:	Not determined.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill control procedures (land):	Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spill, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. If a large spill occurs notify appropriate authorities.
Spill control procedures (water):	Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard).
Waste disposal method:	Most oil based products are incinerated, land-filled or reclaimed. All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.
Other:	CAUTION - If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will be regulated.

SECTION 7 HANDLING AND STORAGE

Handling procedures:	Keep containers closed when not in use. Do not transfer to unmarked containers. Fire extinguishers should be kept readily available. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.
Storage procedures:	Store containers away from heat, sparks, open flame, or oxidizing materials.
Additional information:	No additional information.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection:	Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.
Respiratory protection:	Not required with proper ventilation.
Eye protection:	Eye protection is suggested as with most industrial applications.
Hand protection:	None required but good industrial hygiene practices should be observed.
Other:	Consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking or smoking.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor pressure:	<1.0 mmHg @ 20C.
Specific gravity:	0.97 at 15.6°C (60.0°F).
Solubility:	Negligible in water, miscible in most petroleum solvents.
Percent volatile:	Not determined.
Vapor density (air=1):	Not determined.
Evaporation rate (n-Butyl Acetate=1):	Not determined.
Odor:	Very bland odor.
Appearance:	Clear to slightly yellow fluid
Viscosity:	Approximately 38 cSt @ 40C
Boiling point:	Approximately 493F.
Pour point:	Not determined.
Other:	Not applicable.

SECTION 10 STABILITY AND REACTIVITY

Stability:	Material is stable at room temperatures and pressure.
Conditions to avoid:	Avoid high temperatures and product contamination.
Incompatibility with other materials:	Avoid contact with acids and oxidizing materials.
Decomposition products:	Oxides of carbon.
Hazardous polymerization:	Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Oral toxicity(Rat):	Practically non-toxic (LD50: > 2000 mg/Kg.) Based on testing of similar products.
Dermal toxicity(Rabbits):	Practically non-toxic (LD50: > 2000 mg/Kg.) Based on testing of similar products.
Inhalation toxicity(Rats):	Practically non-toxic (LC50: > 5 mg/L.) Based on testing of similar products.
Dermal sensitization(Rabbits):	Practically non-irritating. (Primary Irritation Index > 0.5 but < 3.) Based on testing of similar products.
Eye Irritation(Rabbits):	Practically non-irritating (Draize score > 6 but 15 or <.) Based on testing of similar products.
Other:	A component of this product has been tested in a 2-generation reproductivity toxicity study in laboratory animals. No adverse effects on reproductive parameters were seen. However, a small but statistically significant increase in early offspring mortality was observed at high oral doses. The significance of this is uncertain. This information has been provided to the US EPA as required by TSCA 8(e).

SECTION 12 ECOLOGICAL INFORMATION

Environmental toxicity:	Not determined. No components of this mixture appear on the Marine Pollutants List.
Environmental fate:	Not determined.
Other:	Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste disposal:	Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. This product unadulterated by other materials may be classified as a non-regulated waste in some areas - but still needs to be disposed of at approved facilities. Waste management should be in full compliance with federal, state, and local laws.
Disposal consideration:	The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT shipping description:	Not DOT regulated.
U.S. DOT identification number:	NA
U.S. DOT hazard classification:	NA
Packaging class:	NA

SECTION 15**REGULATORY INFORMATION**

TSCA: This material is listed.
Other TSCA: Not applicable.
SARA Title III: Section 302/304 extremely hazardous substances:
None.
Section 311, 312 hazard categorization:
Acute (immediate health effects): NO
Chronic (delayed health effects): NO
Fire (hazard): NO
Reactivity (hazard): NO
Pressure (sudden release hazard): NO
Section 313 toxic chemicals:
None.
CERCLA: For stationary sources – reportable quantity:
None
For moving sources – reportable quantity:
None.

SECTION 16**OTHER INFORMATION**

	NFPA 704	KEY
HEALTH:	0	0 = Minimal
FIRE:	1	1 = Slight
REACTIVITY:	0	2 = Moderate
SPECIFIC HAZARD:	NONE	3 = Serious
PROTECTION INDEX:	N/A	4 = Severe

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.

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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