


Material Safety Data Sheet



307765

Rev. Z
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 <p>This Data Sheet contains important information. READ AND KEEP FOR REFERENCE.</p> <p>INSTRUCTIONS</p>
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1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Throat Seal Liquid

Emergency Information:

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

Manufacturer / Supplier:

Graco Inc.
P.O. Box 1441
60 11th Ave. NE
Minneapolis, MN 55440-1441

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.), 24C822(19.3 GRAMS), 24C823(19.3 GRAMS)

SECTION 2 HAZARDS IDENTIFICATION

Appearance:	Colorless liquid
Odor:	Faint odor
Classification:	Not classified.
Target Organs:	Not applicable.
Pictogram(s):	Not applicable.
Signal Word:	Not applicable.
Hazard Statement:	Not applicable.
Other Hazards:	Not determined.
Precaution(s):	Not applicable.
Storage Procedures:	Not applicable.
Disposal:	Not applicable.

See section 11 for complete health hazard information.

SECTION 3 COMPOSITION OF INGREDIENTS

Component	Chemical Name	CAS Number	Percentage (by weight)	Carcinogen
Phthalic Acid Esters	Bis(2-propylheptyl)phthalate	53306-54-0	80-100%	N/A

SECTION 4 FIRST AID MEASURES

Eye contact:	Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. If irritation persists seek medical attention.
Skin contact:	Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately. Wash contaminated clothing before reuse.

Inhalation: If overcome by inhalation of hot vapors, remove to fresh air and remain calm. 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: Do not induce vomiting unless directed by a physician. Rinse mouth immediately and then drink plenty of water. Seek immediate medical attention.

Other: Not applicable.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: 220°C (428°F) typical by ASTM D 92.

Flammable limits: Not determined.

Extinguishing media: Carbon dioxide, dry powder, water spray, foam.

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.

This product is combustible. Use water spray to cool adjacent structures and endangered drums. 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: Dense smoke may be generated while burning. Toxic fumes, gases or vapors may evolve on burning. High temperatures may create heavy flammable vapors that may settle along ground level and low spots to create an invisible fire hazard.

Byproducts of combustion: Fires involving this product may release oxides of carbon, phosphorus, nitrogen and sulfur; reactive hydrocarbons and irritating vapors.

Autoignition temperature: 345°C

Explosion data: Not determined. Care should always be exercised in dust/mist areas.

Other: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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 or 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. In case of road spill or accident contact Chem-Trec (800-424-9300).

Spill control procedures (water): Try to contain large spills with floating booms to prevent spill from spreading. 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 at 800-424-8802).

Waste disposal method:

Do not empty into drains. 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. See NFPA 30 and OSHA 1910.106 -- Flammable and Combustible Liquids. 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:

Handling temperatures should not exceed 60°C (140°F) to minimize danger of burns. Open containers carefully in a well ventilated area or use appropriate respiratory protection. Wash thoroughly after handling.

Store containers away from heat, sparks, open flame, or oxidizing materials. Product should not be stored above 45°C (113°F). Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition. Segregate from strong oxidizing agents.

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:

None required if ventilation is adequate. Otherwise a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist air purifying respirator.

Eye protection:

Eye protection is strongly recommended. Wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).

Hand protection:

Impervious, chemically resistant gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.

Other protection:

Use of an apron and overboots of chemically impervious materials such as neoprene or nitrile rubber is recommended based on level of activity and exposure. If handling hot material use insulated protective equipment. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials which cannot be decontaminated.

Local control measures:

Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as fume hoods or area fans may be used to reduce localized vapor/mist areas. If vapor or mist is generated when the material handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure. Eyewash stations and showers should be available in areas where this material is used and stored.

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**

Appearance:	Colorless liquid
Odor:	Faint odor
Odor Threshold:	No data available.
pH:	Not applicable.
Melting/Freezing Point:	No data available.
Initial boiling point:	No data available.
Boiling Range:	252.5-253.4°C at 7 hPa.
Flash point:	220°C.
Evaporation rate:	No data available.
Flammability:	No data available.
Upper flammable limit:	No data available.
Lower flammable limit:	No data available.
Vapor pressure:	<0.00001 ATM at 20°C.
Vapor density:	No data available.
Relative density:	0.9624 g/cm ³ at 20°C.
Solubility:	<0.1 µg/l in water, soluble in organic solvents.
Partition Coefficient:	10.6-10.8 at 25°C (calculated value).
Auto-ignition temperature:	345°C.
Decomposition temperature:	No data available.
Viscosity:	127.86 cSt at 20°C.
Other:	Not applicable.

SECTION 10**STABILITY AND REACTIVITY**

Reactivity	
Chemical stability:	Material is chemically stable at room temperatures and pressure.
Hazardous polymerization:	Will not occur.
Conditions to avoid:	Avoid all sources of ignition including heat, sparks, and open flame.
Incompatibility with other materials:	Avoid contact with strong oxidizing materials.
Decomposition products:	No hazardous decomposition products if stored and handled as indicated.
Other:	Not applicable.

SECTION 11**TOXICOLOGICAL INFORMATION**

Acute toxicity (LD50)	
Oral:	>5,000 mg/kg (rat)
Dermal:	>2,000 mg/kg (rabbit)
Inhalation:	>20.5 mg/l (rat), 1 hour exposure to aerosol.
Skin Irritation:	Non-irritant (rabbit) using OECD guideline 404
Eye Irritation:	Non-irritant (rabbit) using OECD guideline 405
Dermal sensitization:	Product is non-sensitizing based on data from similar materials.
Respiratory sensitization:	No data available.
Aspiration Hazard:	Not applicable.

Chronic Toxicity	
Mutagenicity:	The substance was not mutagenic in bacteria. No mutagenic effect was found in various tests with mammalian cell culture and mammals.
Carcinogenicity:	In long-term studies in rodents exposed to high doses, a tumorigenic effect was found; however, these results are thought to be due to a rodent-specific liver effect that is not relevant to humans. The previous statement has been derived from products of a similar structure or composition and this actual product has not been tested.
Reproductive toxicity:	The results of animal studies gave no indication of a fertility impairing or developmental toxic effect at doses that were not toxic to the parental animals.
STOT-single exposure:	No data available.
STET-repeated exposure:	Repeated exposure to high doses of the substance causes reversible liver damage in rodents. According to present knowledge, these effects do not occur in man.
Other	

SECTION 12 ECOLOGICAL INFORMATION

Environmental toxicity	Acute	Chronic
Fish:	>10,000 mg/l (LC50, 96hr)	Study not scientifically justified.
Invertebrates:	>100 mg/l (EC50, 48hr)	>1 mg/l (NOEC, 21d)
Aquatic plants:	>100 mg/l (EC50, 72hr)	No data available.
Microorganisms:	>1,000 mg/l (EC20, 180min)	No data available.
Persistence/Degradability:	Readily biodegradable (80-90% degree of elimination in 28d, OECD 301B)	
Bioaccumulation:	BFF <14.4 (carp, 56d, OECD 305C)*	
Mobility in Soil:	Log KOC = 6.8 (OECD 121)	
Other:	*This statement has been derived from products of a similar structure or composition. Testing was not done on this product.	

SECTION 13 DISPOSAL CONSIDERATIONS

Waste disposal:	This product unadulterated by other materials can be classified as a non-hazardous waste. Depending on use, used product may be regulated. Dispose of in a licensed facility. Do not discharge product in to sewer system. Dispose of containers by crushing or puncturing, so as to prevent unauthorized use of used containers. Waste management should be in full compliance with federal, state, and local laws.
Other:	The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

SECTION 14 TRANSPORT INFORMATION

Land Transport (DOT):	Not regulated.
Land Transport (TDG):	Not regulated.
Sea Transport (IMDG):	Not regulated.
Air Transport (IATA):	Not regulated.
Other:	Not applicable.

SECTION 15 REGULATORY INFORMATION

Federal Regulations
Clean water act/oil pollution act: Not applicable.
TSCA: All components of this material are listed in the U.S. TSCA Inventory.
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:
 No components present are at or greater than the de minimis (minimum reportable) concentration requirements for reporting.
CERCLA: For stationary/moving sources – reportable quantity (due to): Not hazardous under Section 102(a).

State Regulations
Right-to-know New Jersey, Pennsylvania (53306-54-0, bis(2-propylhectyl) phthalate)
Other: A release of this product, as supplied, is exempt from reporting under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). However, releases may be reportable to the Nation Response Center under the Clean Water Act, 33 U.S.C. 1321(b)(3) and (5) - see head of Section 15. Failure to report may result in substantial civil and criminal penalties.

Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

SECTION 16 OTHER INFORMATION

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

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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