

Vic-Press Lubricant Compound MSDS (Material Safety Data Sheet)

FDA H1 & NSF 61
SECTION I – PRODUCT IDENTIFICATION
Trade Name: Vic-Press Pre-Lubrication

Date Prepared: Monday June 25, 2012
 Revision: 0
 Chemical Name : Polypropylene glycol

CAS Number: 25322-69-4
 Chemical Family: Polypropylene glycol
 Synonyms: PPG

Company

 Victaulic
 4901 Kesslersville Road, Easton PA 18040

Technical Contact: 1-610-559-3300

CHEMTREC Emergency (US Only): 1-800-262-8200

SECTION II – COMPOSITION

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS#	OSHA PEL	ACGIH TLV	%
Polypropylene glycol	25322-69-4	TWA = 10 mg/m ³	N/A	>97%
Propyl gallate	121-79-9	N/A	N/A	>2.0%

SECTION III – HAZARDS IDENTIFICATION
Emergency Overview*
Color: Yellow

Physical State: Liquid

Odor: Mild

Hazards of product: WARNING! May cause allergic skin reaction.

Potential Health Effects
Eye Contact: Essentially nonirritating to eyes.

Skin Contact: Prolonged contact may cause slight skin irritation with local redness.

Skin Absorption: Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Skin Sensitization: For the minor component(s): Skin contact may cause an allergic skin reaction.

Inhalation: At room temperature, exposure to vapor is minimal due to low volatility; single exposure is not likely to be hazardous.

Ingestion: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

Effects of Repeated Exposure: For the major component(s): In animals, effects have been reported on the following organs after ingestion: Liver.

Health Rankings

	HMIS	NFPA
Health Hazard	1	1
Fire Hazard	0	0
Reactivity	0	0

JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

Approved _____

Date _____

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SECTION IV – FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Skin Contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: No emergency medical treatment necessary.

Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION V – FIRE FIGHTING MEASURES

Extinguishing Media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Do not use direct water stream. May spread fire. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Unusual Fire and Explosion Hazards: Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled: Contain spilled material if possible. Collect in suitable and properly labeled containers. See Section XIII, Disposal Considerations, for additional information.

Personal Precautions: Use appropriate safety equipment. For additional information, refer to Section VIII, Exposure Controls and Personal Protection. Refer to Section VII, Handling, for additional precautionary measures.

Environmental Precautions: Material will sink in water. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section XII, Ecological Information.

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SECTION VII – HANDLING & STORAGE

Handling: Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

Storage: Store in the following material(s): 316 stainless steel. Carbon steel. Glass-lined container. Polypropylene. Polyethylene-lined container. Stainless steel. Teflon. This material may soften and lift certain paint and surface coatings. Use product promptly after opening. Store in original unopened container. Unopened containers of material stored beyond the recommended shelf life should be retested against the sales specifications before use.

SECTION VIII – EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits

None established

Personal Protective Equipment

Eye/Face Protection: Use safety glasses.

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

Hand Protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Polyethylene. Ethyl vinyl alcohol laminate (“EVAL”). Examples of acceptable glove barrier materials include: Natural rubber (“latex”). Neoprene. Nitrile/butadiene rubber (“nitrile” or “NBR”). Polyvinyl chloride (“PVC” or “vinyl”). Viton. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: Under intended handling conditions, no respiratory protection should be needed.

Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

Ventilation: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

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SECTION IX – PHYSICAL & CHEMICAL PROPERTIES

Physical State: Liquid

Color: Yellow

Odor: Mild

Flash Point - Closed Cup: 207°C (405°F) ASTM D93

Flash Point - Open Cup: 288°C (550°F) ASTM D92

Flammable Limits in Air:

Lower: No test data available

Upper: No test data available

Autoignition Temperature: No test data available

Vapor Pressure: < 0.01 mmHg @ 20°C Literature

Boiling Point (760 mmHg): > 200°C (> 392°F) Calculated decomposes prior to boiling.

Vapor Density (air = 1): >1 Calculated

Specific Gravity (H2O = 1): 1.004 20°C/20°C Calculated

Liquid Density: 8.35 lb/gal @ 20°C Calculated

Freezing Point: See Pour Point

Melting Point: Not applicable to liquids

Solubility in Water (by weight): < 0.02% @ 20°C Visual

pH: No test data available

Kinematic Viscosity: 270 - 300 cSt @ 37.8°C ASTM D445

Pour point: -33°C (-27°F) ASTM D97

Volatile Organic Compounds: 0.0 g/l EPA Method No. 24

SECTION X – STABILITY & REACTIVITY

Stability: Thermally stable at typical use temperatures.

Conditions to Avoid: Exposure to elevated temperatures can cause product to decompose.
Generation of gas during decomposition can cause pressure in closed systems.

Incompatible Materials: Avoid contact with: Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition: Will not occur

Thermal Decomposition: Decomposition products depend upon temperature, air supply and the presence of other and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Alcohols.

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SECTION XI – TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingestion: LD50, Rat > 16,000 mg/kg

Skin Absorption: LD50, Rabbit > 16,000 mg/kg

Skin Sensitization: For the minor component(s): Skin contact may cause an allergic skin reaction.

Repeated Dose Toxicity: For the major component(s): In animals, effects have been reported on the following organs after Ingestion: Liver.

SECTION XII – ECOLOGICAL INFORMATION CHEMICAL FATE

Movement & Partitioning: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).

Persistence and Degradability: Biodegradation under aerobic static laboratory conditions is low (BOD20 or BOD28/ThOD between 2.5 and 10%).

Biological oxygen demand (BOD):

BOD 5	BOD 10	BOD 20	BOD 28
5%	5%	6%	

Theoretical Oxygen Demand: 2.30 mg/mg

ECOTOXICITY

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg/L in the most sensitive species tested).

Fish Acute & Prolonged Toxicity

LC50, fathead minnow (*Pimephales promelas*), 96 h: 520 mg/l

Aquatic Invertebrate Acute Toxicity

LC50, water flea *Daphnia magna*, static, 48 h, immobilization: 350 mg/l

SECTION XIII – DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. VICTAULIC HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS

SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

SECTION XIV – TRANSPORT INFORMATION DOT Non-Bulk: NOT REGULATED

DOT Bulk: NOT REGULATED

IMDG: NOT REGULATED

ICAO/IATA: NOT REGULATED

This information is not intended to convey all specific regulatory or operational requirements/ information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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SECTION XV – REGULATORY INFORMATION Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

US. Toxic Substances Control Act: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

European Inventory of Existing Commercial Chemical Substances (EINECS): This product is a polymer according to the definition in Directive 92/32/EEC (7th Amendment to Directive 67/548/EEC) and all of its starting materials and intentional additives are listed the European Inventory of Existing Commercial Chemical Substances (EINECS) or in compliance with European (EU) chemical inventory requirements.

CEPA - Domestic Substances List (DSL): All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

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SECTION XVI – OTHER INFORMATION

Revision Information

Version Number: 05.10 Rev. 0

Revision Date:

Current and only Revision: 05.10 Rev. 0 – 2012

Legend

NA: Not Available

W/W: Weight/Weight

OEL: Occupational Exposure Limit

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

AGGIH: American Conference of Governmental Industrial Hygienists, Inc.

WEEL: Workplace Environmental Exposure Level

HAZ_DES: Hazard Designation

Action Level: A value set by OSHA that is lower than the PEL which will trigger the need for activities such as exposure monitoring and medical surveillance if exceeded.

Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied regarding its correctness. Some information presented and conclusions drawn herein may be from sources other than direct test data on the substance itself. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. Users should make their own investigations to determine the suitability of the information or products for their particular purpose.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.