

Material Safety Data Sheet



Gaither GP-100 / GP-200 Paste

MSDS #: GTC-PL-003

Rev. # 4

Rev. Date: 09/18/17

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Gaither GP-100 Paste

Product Use: Mounting paste.

Supplier: Gaither Tool Company, Inc., 2255 W Morton Ave., Jacksonville, IL 62650

24-Hour Emergency Phone Number: 1-800-424-9300 (CHEMTREC); 1-703-527-3887 (International CHEMTREC)

2. PRODUCT INGREDIENTS

<u>CHEMICAL NAME:</u>	<u>CAS NUMBER:</u>	<u>% RANGE:</u>	<u>OSHA PEL:</u>
Ethylene Glycol	107-21-1	10-30	Not Established

This product is considered hazardous under OSHA 29 CFR 1910.1200 (Hazard Communication Standard).
This product is regulated as a controlled product under the Canadian Controlled Products Regulations (WHMIS).

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

This product is a blue paste. This product may be irritating to the eyes, skin and respiratory tract.

EYE: This product may cause irritation to the eyes.

SKIN: This product may cause irritation to the skin.

INGESTION: This product may be harmful if it is swallowed.

INHALATION: May be harmful if inhaled. May cause respiratory tract irritation.

4. FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

SKIN: For skin contact flush with large amounts of water while removing contaminated clothing. Wash affected area with mild soap and water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

INGESTION: Due to the physical nature of this material, ingestion is unlikely to occur. If ingestion of a large amount does occur, do not induce vomiting, seek medical attention.

Material Safety Data Sheet



Gaither GP-100 / GP-200 Paste

MSDS #: GTC-PL-003

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INHALATION: If inhaled, immediately remove the affected person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

NOTE TO PHYSICIAN: Provide general supportive measures and treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: Not Applicable

Method Used: Not Applicable

Flammability Classification: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

EXTINGUISHING MEDIA: Alcohol-resistant foam, dry chemical, carbon dioxide, water-spray, sand.

FIRE FIGHTING INSTRUCTIONS: This product does not burn. Heating can release vapors which can be ignited.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: Containment of this material should not be necessary.

CLEAN-UP PROCEDURES: Shovel or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup.

EVACUATION PROCEDURES: None necessary.

SPECIAL PROCEDURES: Do not allow product to enter sewer or waterways.

7. HANDLING & STORAGE

HANDLING: Avoid contact with skin and eyes. Wash thoroughly after handling. DO NOT eat, drink or smoke in product area.

STORAGE: Keep the container tightly closed and in a dry, cool, and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation is not normally required.

Material Safety Data Sheet



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MSDS #: GTC-PL-003

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Rev. Date: 09/18/17

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear safety glasses with side shields.

SKIN PROTECTION: If this product is used in accordance with instructions on the container, the risk of skin contact is minimal. If skin contact is likely, wear chemically resistant gloves.

RESPIRATORY PROTECTION: Respiratory protection; not normally required for ambient air concentrations not exceeding the Occupational Exposure Limit.

EXPOSURE GUIDELINE(s):

GAITHER recommends that its customers minimize employee exposure. GAITHER therefore suggests that its customers consider adopting the lower of the current OSHA PEL or the ACGIH TLV's for the purpose of evaluating employee exposures. The TLV's recommended by the ACGIH have been updated on a continuing basis.

Ethylene glycol (107-21-1)

ACGIH:	100 mg/m ³ Ceiling (aerosol only)
OSHA (Vacated):	50 ppm Ceiling; 125 mg/m ³ Ceiling
Alberta:	100 mg/m ³ Ceiling (aerosol)
British Columbia:	10 mg/m ³ TWA (particulate) 20 mg/m ³ STEL (particulate) 100 mg/m ³ Ceiling (aerosol); 50 ppm Ceiling (vapour)
Manitoba:	100 mg/m ³ Ceiling (aerosol only)
New Brunswick:	100 mg/m ³ Ceiling (aerosol)
NW Territories:	10 ppm TWA (particulate) 20 mg/m ³ STEL (particulate) 50 ppm Ceiling (vapour); 127 mg/m ³ Ceiling (vapour)
Nova Scotia:	100 mg/m ³ Ceiling (aerosol only)
Nunavut:	10 mg/m ³ TWA (particulate) 20 mg/m ³ STEL (particulate) 50 ppm Ceiling (vapour); 127 mg/m ³ Ceiling (vapour)
Ontario:	100 mg/m ³ CEV
Quebec:	50 ppm Ceiling (mist and vapour); 127 mg/m ³ Ceiling (mist and vapour)
Saskatchewan:	127 mg/m ³ Ceiling (aerosol)
Yukon:	10 mg/m ³ TWA (particulate); 100 ppm TWA (vapour); 250 mg/m ³ TWA (vapour) 10 ppm STEL (particulate); 20 mg/m ³ STEL (particulate); 125 ppm STEL (vapour); 325 mg/m ³ STEL (vapour)

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Blue paste

ODOR: Mild

ODOR THRESHOLD: None

BOILING POINT: >52°C (126°F)

SOLUBILITY IN WATER: 100%

Material Safety Data Sheet



Gaither GP-100 / GP-200 Paste

MSDS #: GTC-PL-003

Rev. # 4

Rev. Date: 09/18/17

SPECIFIC GRAVITY: Not Applicable

VAPOR PRESSURE: <0.2

% VOLATILE: <30%

10. STABILITY & REACTIVITY

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing agents, acids, alkaline.

HAZARDOUS POLYMERIZATION: Will not occur.

DECOMPOSITION PRODUCTS: Hazardous combustion products may include carbon monoxide, carbon dioxide and hydrocarbon fragments.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

This product may be irritating to the eyes and skin. May be harmful by ingestion. May be fatal if ingested in large quantities. May be harmful by inhalation.

CHRONIC TOXICITY

Repeated or prolonged exposure to Ethylene Glycol may result in kidney damage. May produce symptoms of central nervous system depression. Symptoms include headache, dizziness, nausea, euphoria, loss of equilibrium, drowsiness, visual disturbances, fatigue, unconsciousness and respiratory arrest. Laboratory experiments on animals with Ethylene Glycol have shown teratogenic effects.

CARCINOGENICITY

No carcinogenicity data available for this product.

Component Carcinogenicity

Ethylene glycol (107-21-1)

ACGIH:

A4 - Not Classifiable as a Human Carcinogen

12. ECOLOGICAL INFORMATION

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Material Safety Data Sheet



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Rev. # 4

Rev. Date: 09/18/17

Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethylene glycol (107-21-1)

Test & Species

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	41000 mg/L	
96 Hr LC50 Lepomis macrochirus	27500 mg/L	
96 Hr LC50 Oncorhynchus mykiss	40761 mg/L	static
96 Hr LC50 Pimephales promelas	49000 mg/L	static
96 Hr LC50 Poecilia reticulata	16000 mg/L	static
96 Hr EC50 Selenastrum capricornutum	6500-1300 mg/L	
30 min EC50 Photobacterium phosphoreum	620.0 mg/L	
30 min EC50 Photobacterium phosphoreum	620 mg/L	
16 Hr EC50 Pseudomonas putida	10000 mg/L	
48 Hr EC50 water flea	46300 mg/L	

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

UNUSED & UNCONTAMINATED PRODUCT:

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

14. TRANSPORT INFORMATION

US DOT Information

Shipping Name: This product is not regulated as a hazardous material for transport.

Additional Info.: USA Shipments Only- Hazardous Substances are regulated in the USA when shipped above their Reportable Quantity (RQ). If the RQ is exceeded in a single package, the product would be classified as: Environmentally hazardous substances, liquid, n.o.s. (Ethylene Glycol), 9, UN3082, PG III, RQ

TDG Information

Shipping Name: This product is not regulated as dangerous goods for transport.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA 313 INFORMATION:

Material Safety Data Sheet



Gaither GP-100 / GP-200 Paste

MSDS #: GTC-PL-003

Rev. # 4

Rev. Date: 09/18/17

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 313 (40 CFR 372.65).

Ethylene glycol (107-21-1)

SARA 313:

1.0 % de minimis concentration

SARA HAZARD CATEGORY:

Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactive: No

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA):

Component Analysis

This material contains one or more of the following chemicals required to be identified under CERCLA (40 CFR 302.4).

Ethylene glycol (107-21-1)

CERCLA:

5000 lb final RQ; 2270 kg final RQ

TOXIC SUBSTANCES CONTROL ACT (TSCA): Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Ethylene glycol	107-21-1	Yes	DSL	EINECS

STATE RIGHT-TO-KNOW:

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Ethylene glycol	107-21-1	Yes	Yes	Yes	Yes	Yes	Yes

Other state regulations may apply. Check individual state requirements.

CANADIAN REGULATIONS

WHMIS INFORMATION:

WHMIS Classification: D2A- Teratogen. Chronic toxic organ effects (kidney)

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Ethylene glycol	107-21-1	1 %

Material Safety Data Sheet



Gaither GP-100 / GP-200 Paste

MSDS #: GTC-PL-003

Rev. # 4

Rev. Date: 09/18/17

EUROPE:

Component Analysis

Component (CAS#)

Ethylene glycol (107-21-1)

EC

203-473-3

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

MEDICAL EMERGENCIES:

Call CHEMTREC 24 hours a
day for emergency information
1-800-424-9300

FOR ANY OTHER INFORMATION:

GAITHER TOOL COMPANY, INC
2255 W. MORTON AVE.
JACKSONVILLE, IL 62650
217-245-0545

NOTICE: GAITHER TOOL COMPANY, INC. believes that the information contained on this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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