



MATERIAL SAFETY DATA SHEET
BLUE GOOP®

December 2009

Section 1 – Product & Company Identification

Manufacturer:	Swagelok Company 29495 F.A. Lennon Dr.. Solon, Ohio 44139 USA	Information Phone:	(440) 349-5600
		Emergency Phone:	(800) 424-9300
		Chemtrec	
Product Class:	Lubricant	Product Code:	N/A
Trade Name:	Blue Goop®		

Section 2 - Composition and Information on Ingredients

CAS #	EINECS* #	Ingredients	Weight %	PEL (Time-Weighted Average)
8001-79-4	232-293-8	Castor Oil	40-70%	None
9002-84-0	N/A	Polytetrafluoroethylene	30-60%	None
N/A	N/A	Non-hazardous ingredients	3-7%	None

*EINECS - European Inventory of Existing Commercial Substances

Section 3 - Hazards Identification

Health Hazards

Possible irritation to eyes. Castor oil is a laxative and can cause severe stomach cramps and diarrhea if ingested.

LD₅₀/LC₅₀: *Not Available*

Potential chronic exposure effects – see Section 11.

Section 4 – First Aid Measures

First Aid - Inhalation

Unlikely to be inhaled

First Aid - Skin

Wash thoroughly with soap and water. If severe irritation develops, seek medical attention

First Aid - Eyes

Rinse thoroughly with water for 15-30 minutes, seek medical attention. Do not rub eyes

First Aid - Ingestion

Seek medical attention immediately. Do not induce vomiting

Medical Information

Inhaling fumes of decomposition products can cause temporary influenza-like symptoms which are described as "polymer fume fever." Symptoms include fever, cough, and malaise. Following *severe* exposure to *products of composition*, keep patient under medical supervision of 48 hours since delayed pulmonary edema may develop.



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Section 5 - Firefighting Measures

Flashpoint – Unknown
LEL – Unknown
UEL – Unknown

Extinguishing Media

Use CO₂, or foam extinguishing media

Additional Information

May decompose above 545°F/285°C to produce carbon monoxide, carbon dioxide, oxides of nitrogen, and acrolein

Section 6 - Accidental Release Measures

Steps to be taken in case material is released or spilled:

Remove all ignition sources and open flames. Contain spill immediately. Do not allow spill to enter open sewers or waterway. Wear appropriate personal protective equipment. Place material in appropriate containers.

Section 7 - Handling and Storage

Precautions to be taken in handling and storing:

Store in closed containers in well-protected area away from moisture, heat, sparks, flames or oxidizing materials

Do not transfer to unmarked containers

Have properly maintained fire extinguishers readily available

Section 8 - Exposure Controls and Personal Protection

Hand Protection

Hand protection is recommended to minimize exposure

Eye Protection

Use protective eye wear if exposure is likely

Skin Protection

Wash hands after use

Respiratory Protection

Respiratory protection is not necessary

Work/Hygienic Practices

As with any product, proper hygiene practices is recommended when working with this product. Do not eat, drink, or smoke while handling

Section 9 – Physical and Chemical Properties

Appearance:	Paste-like	Volatiles (by volume):	Not Determined
Color	Cobalt Blue	Volatiles (by weight):	Not Determined
Odor:	Odorless	V.O.C. Content:	Not Determined
pH:	Not Determined	Evaporation Rate:	Not Determined
Boiling Point:	Not Determined	Density:	1.3 gm/cm ³
Solubility:	Not Determined		



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Section 10 – Stability and Reactivity

Chemical Stability under Normal Conditions

Stable

Conditions to Avoid (Stability & Polymerization)

High Temperatures

Incompatible Materials

Reducing agents and oxidizing agents such as oxygen, chlorine, and fluorine

Hazardous Decomposition Products

When heated over 750°F, the polytetrafluoroethylene may decompose into hydrofluoric acid, carbonyl fluoride, tetrafluoroethylene, hexafluoropropylene, and perfluoroisobutylene

Section 11 – Toxicological Information

Acute toxic properties: Eye irritant.

Prolonged Health effects: Unlikely to cause prolonged ill effects.

Sensitization: Not Determined

Teratogenicity: Not Determined

Reproductive Toxicity: Not Determined

Synergistic Products: Not Determined

Carcinogenicity: Listed ingredients are not suspected carcinogens according to NTP, IARC, NIOSH and OSHA

Section 12 - Ecological Information

Environmental Releases

Do not allow spills to enter sewers or waterways. Comply with all applicable local, state, and federal regulations.

Mobility: Paste-like viscosity

Degradability: Not determined

Accumulation: None known

Short/Long term effects on ecotoxicity: None known

Section 13 - Disposal Considerations

Waste Disposal Methods

Unused product is not considered a hazardous waste in the United States. Dispose of responsibly

European Community (EC) considerations: Use appropriate waste codes based on ingredients

Section 14 - Transport Information

Proper Shipping Name

Comply with all applicable local, state, and federal transportation regulations

Section 15 – Regulatory Information

United States

SARA Title III – Section 313

Not applicable

TSCA

Yes

Canada

Canadian Controlled Products

Castor Oil



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Section 15 – Regulatory Information (continued)

European Community (EC)

EC Regulations

This product has been classified under CHIP-96 guidelines based on chemical content

EC Relevant risk

R: 36 - Irritating to eyes

EC Relevant safety

S: 37/39 - Wear suitable gloves and eye/face protection

S: 20 - When using, do not eat or drink

S: 62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

EC Ozone

N/A

EC Danger to terrestrial environment

None. Inert. Will sink in water (density = 1.3 gm/cm³)

Additional information

Consult country codes for specific requirements

Section 16 - Other Information

Further information

Contact your Swagelok Distributor or the contacts listed in Section 1 of this sheet

Sources of information used to compile document:

Properties of individual ingredients were used to compile this document. This Material Safety Data Sheet was designed to give the distributors and users of BLUE GOOP® information to handle and use the product in a responsible manner

Preparation Data:

Environmental and Safety Department

(440) 349-5962

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