



Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • Gun and Reel Silicone Cloth
Product Code • 30001

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Leaves a lustrous, lasting, protective film on firearm metal parts.

1.3 Details of the supplier of the safety data sheet

Manufacturer • Birchwood Casey, LLC

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Not classified
DSD/DPD • Not classified

2.2 Label Elements

CLP
Hazard statements • No label element(s) required

DSD/DPD

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
DSD/DPD • This product is not considered dangerous under the European Directive 67/548/EEC

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012
- Eye Mild Irritation 2B

2.2 Label elements

OSHA HCS 2012

WARNING

- Hazard statements**
- Causes eye irritation

Precautionary statements

- Prevention**
- Wash thoroughly after handling.

- Response**
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

- WHMIS
- Not classified

2.2 Label elements

- WHMIS
- No label element(s) required

2.3 Other hazards

- WHMIS
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Polydimethyl Siloxane	CAS:63148-62-9	> 99%	Ingestion/Oral-Rat LD50 • >17 g/kg Skin-Rabbit LD50 • >2 g/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Eye Irrit. 2B	NDA

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
- Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- Rinse mouth. Obtain medical attention immediately if ingested.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- In case of fire use media as appropriate for surrounding fire.

- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- No data available

- Hazardous Combustion Products**
- No data available.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact.

- Emergency Procedures**
- Keep unauthorized personnel away. Stay upwind.

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Stop leak if you can do it without risk.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
Wash area with detergent to minimize slipping hazard.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use only with adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep away from incompatible materials. Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

- No applicable exposure limits available for product or components.

8.2 Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- No respiratory protection should be needed during normal use.

Eye/Face

- Wear safety goggles.

Skin/Body

- No skin protection should be needed during normal use.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Milky white liquid.
Color	Milky white.	Odor	No data available.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Not Explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			

Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Keep away from heat and open flame.

10.5 Incompatible materials

- Strong oxidizers.

10.6 Hazardous decomposition products

- Thermal decomposition may produce carbon monoxide, carbon dioxide, formaldehyde.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Polydimethyl Siloxane (> 99%)	63148-62-9	Acute Toxicity: Ingestion/Oral-Rat LD50 • >17 g/kg; <i>Kidney, Ureter, and Bladder:Other changes; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Other changes;</i> Skin-Rabbit LD50 • >2 g/kg; <i>Behavioral:Food intake (animal); Gastrointestinal:Hypermotility, diarrhea; Skin and Appendages:After systemic exposure:Dermatitis, other;</i> Irritation: Eye-Rabbit • 100 µL 24 Hour(s) • Mild irritation; Skin-Rabbit • 500 µL 24 Hour(s) • Mild irritation

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Skin corrosion/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Eye Mild Irritation 2B

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - May cause mild irritation of upper respiratory tract.
- Chronic (Delayed)**
 - No data available.

Skin

- Acute (Immediate)**
 - No significant irritation expected from a single short-term exposure.
- Chronic (Delayed)**
 - No data available.

Eye

- Acute (Immediate)**
 - Causes eye irritation.
- Chronic (Delayed)**
 - No data available.

Ingestion

- Acute (Immediate)**
 - Low ingestion hazard.
- Chronic (Delayed)**
 - No data available.

Key to abbreviations

LD = Lethal Dose

Section 12 - Ecological Information

12.1 Toxicity

Gun and Reel Silicone Cloth					
Dosage	Species	Duration	Results	Exposure Conditions	Comments
26.27-56.73 mg/L	Fish: Lepomis microlophus Redear Sunfish	4 Day(s)	LC50	NDA	Polydimethyl Siloxane (63148-62-9)
44.5 mg/L	Crustacea: Daphnia magna	2 Day(s)	LC50	NDA	Polydimethyl Siloxane (63148-62-9)

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Polydimethyl Siloxane	63148-62-9	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Polydimethyl Siloxane	63148-62-9	Yes	No	Yes	No	No

Inventory (Con't.)		
Component	CAS	TSCA

Polydimethyl Siloxane	63148-62-9	Yes
-----------------------	------------	-----

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

Canada - WHMIS - Ingredient Disclosure List

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

Environment

Canada - CEPA - Priority Substances List

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - OSHA - Specifically Regulated Chemicals

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - California - Proposition 65 - Developmental Toxicity

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Polydimethyl Siloxane	63148-62-9	Not Listed
-------------------------	------------	------------

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Last Revision Date**

- 05/March/2015

Preparation Date

- 05/March/2015

Disclaimer/Statement of Liability

- The data here is for hazard communication to our employees, our customers and their employees, and authorized regulatory agencies. For the intended purpose, this SDS (Safety data Sheet) may be duplicated or the data transcribed to an alternative form. NOTE: The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Birchwood Casey LLC makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular period. Accordingly, Birchwood Casey LLC will not be responsible for damages of any kind resulting from

the use of or reliance upon such information. NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER TO WHICH THE INFORMATION REFERS. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

Key to abbreviations

NDA = No data available
