



(Material) Safety Data Sheet

Section 1 - Product and Company Identification

Material Name	▪ Peroxide Cured Silicone Tubing 96400-15
Product Description	▪ Cured silicone tubing
Product Use	▪ Tubing for all applications.
Synonyms	▪ Silicone rubber
Manufacturer	▪ Saint-Gobain Performance Plastics 700 Warner Blvd. Taunton, MA 02780 United States
Telephone	
General	▪ 508-828-5578
<u>Emergency</u>	▪ 508-813-7639
<u>Emergency</u>	▪ 1-800-255-3924 - CHEMTEL
Preparation Date	▪ 05/21/2013
Last Revision Date	▪ 05/21/2013

Key to abbreviations

‡ = HMIS is a registered trademark of the American Coatings Association

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

WARNING

Causes eye irritation. Suspected of damaging fertility or the unborn child.

Prevention	Not applicable
Response	Not applicable
Storage/Disposal	Not applicable

Under certain conditions this material may generate flammable hydrogen gas. The hydrogen generation is very slow and far from 1 litre per kg per substance per hour rate at ambient temperatures.

Physical Form	▪ Cured silicone tubing
Color	▪ Translucent
Odor	▪ No data available.
Flash Point	▪ > 260 C(> 500 F)
OSHA	▪ Not applicable
WHMIS	▪ Not applicable
	▪
EU	▪ None
GHS	▪ None
Route Of Entry	▪ none
Potential Health Effects	

Inhalation**Acute (Immediate)**

- Not applicable

Chronic (Delayed)

- Not applicable

Skin**Acute (Immediate)**

- Not applicable.

Chronic (Delayed)

- No data available.

Eye**Acute (Immediate)**

- Not applicable

Chronic (Delayed)

- No data available.

Ingestion**Acute (Immediate)**

- Not applicable

Chronic (Delayed)

- No data available.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Hazardous Components

Chemical Name	CAS	%(wt)	UN;EINECS	LD50/LC50	EU R & S Phrases	Other
Polydimethylsiloxane with vinyl groups and filler	NDA	100%	NDA	NDA	NDA	

Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard), this product is not considered hazardous. According to European Directive 1999/45/EC this preparation is not considered dangerous. According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous. According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is not considered hazardous. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit(150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. There can also be some trace amount of peroxide by product in that have detected at less than 5 ppm.

Key to abbreviations

* = Self Classified

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

Inhalation

- Not applicable

Skin

- Not applicable

Eye

- Not applicable

Ingestion

- No data available.

General Information

- Not applicable

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

Extinguishing Media

- Carbon dioxide, dry chemical and water spray..

Unsuitable Extinguishing Media

- None.

Firefighting Procedures

- Use self contained breathing apparatus and protective clothing.
LARGE FIRES: Move containers from fire area if you can do it without risk.
- None

Unusual Fire and Explosion Hazards**Hazardous Combustion Products**

- Thermal decomposition products carbon dioxide carbon monoxide and formaldehyde.

Protection of Firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear

Flash Point	positive pressure self-contained breathing apparatus (SCBA).
Autoignition Temperature	<ul style="list-style-type: none"> > 260 C(> 500 F) > 400 C(> 752 F)

Section 6 - Accidental Release Measures

Personal Precautions	<ul style="list-style-type: none"> Take proper precautions to minimize exposure by using appropriate personal protective equipment.
Emergency Procedures	<ul style="list-style-type: none"> ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Ventilate closed spaces before entering Isolate area. Keep unnecessary personnel away. Stay upwind
Environmental Precautions	<ul style="list-style-type: none"> Prevent entry into waterways, sewers, basements or confined areas Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.
Containment/Clean-up Measures	<ul style="list-style-type: none"> Wipe, scrape or soak in an inert material and put in a container for disposal and determine which federal, state and local laws and regulation apply.

Section 7 - Handling and Storage

Handling	<ul style="list-style-type: none"> Not applicable
Storage	<ul style="list-style-type: none"> Not applicable
Special Packaging Materials	<ul style="list-style-type: none"> No data available
Incompatible Materials or Ignition Sources	<ul style="list-style-type: none"> Not applicable

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment	
Pictograms	<ul style="list-style-type: none"> None
Respiratory	<ul style="list-style-type: none"> Not applicable
Eye/Face	<ul style="list-style-type: none"> Not applicable
Hands	<ul style="list-style-type: none"> Not applicable
General Industrial Hygiene Considerations	<ul style="list-style-type: none"> Not applicable
Exposure Limits/Guidelines	<ul style="list-style-type: none"> Not applicable

Section 9 - Physical and Chemical Properties

Physical Form	<ul style="list-style-type: none"> Silicone tubing
Appearance/Description	<ul style="list-style-type: none"> Translucent tube

Color: Translucent		Odor: No data available.	
Taste: NDA		Odor Threshold: NDA	
Boiling Point:	NDA	Vapor Pressure:	NDA
Melting Point:	NDA	Vapor Density:	NDA
Specific Gravity:	1.1	Evaporation Rate:	NDA
Density:	NA	VOC (Wt.):	NDA
Bulk Density:	NDA	VOC (Vol.):	NDA

pH:	NDA	Volatiles (Wt.):	NDA
Water Solubility:	Negligible	Volatiles (Vol.):	NDA
Solvent Solubility:	NDA	Flash Point:	> 260 C(> 500 F)
Viscosity:	Solid	Flash Point Test Type:	NDA
Half-Life:	NDA	UEL:	NDA
Octanol/Water Partition coefficient:	NDA	LEL:	NDA
Coefficient of water/oil distribution:	NDA	Autoignition:	> 400 C(> 752 F)
Bioaccumulation Factor:	NDA	Bioconcentration Factor:	NDA
Biochemical Oxygen Demand BOD/BOD5:	NDA	Chemical Oxygen Demand:	NDA
Persistence:	NDA	Degradation:	NDA

Section 10 - Stability and Reactivity

Stability	▪ Not applicable
Hazardous Polymerization	▪ Not applicable
Conditions to Avoid	▪ Not applicable
Incompatible Materials	▪ Not applicable
Hazardous Decomposition Products	▪ Not applicable.

Section 11 - Toxicological Information

Component Name	Concentration	CAS	Data
Silicone tubing	100 %		No Known information available

Key to abbreviations

TC	=	Toxic Concentration
LD	=	Lethal Dose
MOD	=	Moderate
TD	=	Toxic Dose
MLD	=	Mild

Section 12 - Ecological Information

Component Name	Concentration	CAS	Data
Silicone tubing	100 %		No Known information available

Ecological Fate	▪ No data available
Persistence/Degradability	▪ This material is not expected to be readily biodegradable.
Bioaccumulation Potential	▪ Bioaccumulation is not expected to occur.
Mobility in Soil	▪ No data available

This material has not been evaluated for ecological toxicity. Based on its physical-chemical properties it is not expected to be hazardous to the aquatic environment.

Section 13 - Disposal Considerations

Product	▪ Dispose of content and/or container in accordance with local, regional, national, and/or international regulations
Packaging	▪ No Known information available

Section 14 - Transportation Information

DOT - United States - Department of Transportation

Shipping Name: Not Regulated

IMO/IMDG –International Maritime Transport

Shipping Name: Not Regulated

ADN - Europe Transport of Dangerous Goods by Road/Inland Waterway

Shipping Name: Not Regulated

IATA - International Air Transport Association

Shipping Name: Not Regulated

ADR - Europe Transport of Dangerous Goods by Road/Inland Waterway

Shipping Name: Not Regulated

RID - Europe Transport of Dangerous Goods by Railways

Shipping Name: Not Regulated

Section 15 - Regulatory Information

SARA Hazard Classifications

▪ none

Risk & Safety Phrases

▪ none .

State Right To Know

Component	CAS	MA	NJ	PA
Silicone tubing	NDA	No	No	No

Inventory

Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Silicone tubing	NDA	No	No	No	No	No

Inventory(Con't.)

Component	CAS	TSCA
Silicone tubing	NDA	No

Canada

Labor

Canada - WHMIS - Classifications of Substances

▪ Silicone tubing 100 % Not Listed

Canada - WHMIS - Ingredient Disclosure List

Silicone tubing 100 % Not Listed

Environment

Canada - CEPA - Priority Substances List

▪ Silicone tubing 100 % Not Listed

China

Other

China - Annex I & II - Controlled Chemicals Lists

▪ Silicone tubing	100 %	Not Listed
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Europe		
Other		
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification		
Silicone tubing	100 %	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits		
▪ Silicone tubing	100 %	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
▪ Silicone tubing	100 %	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
▪ Silicone tubing	100 %	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
▪ Silicone tubing	100 %	Not Listed

India		
Environment		
India - Hazardous Chemical Rules - List of Hazardous and Toxic Chemicals		
▪ Silicone tubing	100 %	Not Listed

United States		
Labor		
U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals		
▪ Silicone tubing	100 %	Not Listed
U.S. - OSHA - Specifically Regulated Chemicals		
▪ Silicone tubing	100 %	Not Listed

Environment		
U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants		
▪ Silicone tubing	100 %	Not Listed
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities		
▪ Silicone tubing	100 %	Not Listed
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		
▪ Silicone tubing	100 %	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
▪ Silicone tubing	100 %	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
▪ Silicone tubing	100 %	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
▪ Silicone tubing	100 %	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
▪ Silicone tubing	100 %	Not Listed

U.S. - EPA - Designated Generic Categories - Aqueous Ammonia		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Certain Glycol Ethers		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Chlorophenols		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Dioxins and Dioxin-like Compounds		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Ethylenebisdithiocarbamic Acid, Salts and Esters		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Lead and Lead Compounds		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Nicotine and Salts		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Nitrate Compounds		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Pesticides and Other PBTs		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Polychlorinated Alkanes		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Polycyclic Aromatic Compounds		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Strychnine and Salts		
▪ Silicone tubing	100 %	Not Listed
U.S. - EPA - Designated Generic Categories - Warfarin and Salts		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - D Series Wastes - Max Conc of Contaminants for the Tox Characteristic		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - F Series Wastes - Wastes from Nonspecific Sources		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - K Series Wastes - Wastes from Specified Sources		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents		

▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - P Series Wastes - Acutely Toxic Wastes		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Part 268 Appendix III - Halogenated Organic Compounds (HOCs)		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics		
▪ Silicone tubing	100 %	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Waste Minimization Priority Chemicals		
▪ Silicone tubing	100 %	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

▪ Silicone tubing	100 %	Not Listed
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U.S. - California - Proposition 65 - Developmental Toxicity

▪ Silicone tubing	100 %	Not Listed
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U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

▪ Silicone tubing	100 %	Not Listed
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U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

▪ Silicone tubing	100 %	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female

▪ Silicone tubing	100 %	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Male

▪ Silicone tubing	100 %	Not Listed
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United States - Massachusetts

United States - New Jersey

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

▪ Silicone tubing	100 %	Not Listed
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U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

▪ Silicone tubing	100 %	Not Listed
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United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

Section 16 - Other Information

Last Revision Date

▪ 05/21/2013

Preparation Date

▪ 05/21/2013

Disclaimer/Statement of Liability

▪ Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

Key to abbreviations

NDA = No Data Available

R36 = Irritating to eyes.

R53 = May cause long-term adverse effects in the aquatic environment.

R62 = Possible risk of impaired fertility.