



### 1. Identification

Product identifier	Style 3125-SS GRAPH-LOCK Gasketing		
Other means of identification			
Product code	31250, 31255		
Recommended use	Gasket Material		
<b>Recommended restrictions</b>	Maximum Service Tempera	ature in Air Should Not Exceed 850°F	
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name Address	Garlock Sealing Technologies, LLC 1666 Division Street Palmyra, NY 14522 United States		
Telephone	M-F 9:00AM-4:00PM FAX	315-597-4811 315-597-3039	
Website E-mail Contact person Emergency phone number	www.garlock.com GSTSDS@garlock.com Michael McNally 315-597-4811		
2. Hazard(s) identification			
Physical hazards	Not classified.		
Health hazards	Not classified.		
Environmental hazards	Not classified.		
OSHA defined hazards	Not classified.		
Label elements			
Hazard symbol	None.		
Signal word	None.		
Hazard statement	The mixture does not meet the criteria for classification.		
Precautionary statement			
Prevention	Observe good industrial hygiene practices.		
Response	Wash hands after handling.		
Storage	Store away from incompatible materials		

ResponseWash hands after handling.StorageStore away from incompatible materials.DisposalDispose of waste and residues in accordance with local authority requirements.Hazard(s) not otherwise<br/>classified (HNOC)None known.Supplemental informationBased on available information; under normal conditions of use this product is not expected to<br/>release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical,<br/>and is not expected to not provide to appear on physical bazard or physical bazar

and is not expected to pose a physical hazard or health risk to employees. Based on this and its form, the product meets the definition of an "Article". "Articles" are outside the scope of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

#### 3. Composition/information on ingredients

ixtures			
Chemical name	Common name and synonyms	CAS number	%
Graphite		7782-42-5	48 - < 89.9
Chromium (Component of Stainless Steel)		7440-47-3	3 - < 5
Nickel (Component of Stainless Steel)		7440-02-0	3 - < 5

Chemical name	Common name and synonyms	CAS number	%
Manganese (Component of Stainless Steel)		7439-96-5	< 1
Molybdenum (Component of Stainles Steel)		7439-98-7	< 1
Silicon (Component of Stainles: Steel)	5	7440-21-3	< 0.3
Other components below report	table levels		20 - < 30
*Designates that a specific chemic	al identity and/or percentage of composition ha	as been withheld as a trade se	cret.
Composition comments	Product is a laminate of natural graphite foil a use of an adhesive. The graphite foil contains components of adhesive or oxidation inhibitor be declared.	s a phosphate oxidation inhibit	or. None of
4. First-aid measures			
Inhalation	No specific intervention is indicated as the pro Consult a physician if necessary. If exposed to fresh air. Consult physician if symptoms pers	to fumes from overheating or c	
Skin contact	The product is not likely to be hazardous by s advisable.	kin contact, but cleansing the	skin after use is
Eye contact	Rinse with water. Get medical attention if irrita	ation develops and persists.	
Ingestion	No specific intervention is indicated, as produ a physician if necessary.	ict is not likely to be hazardous	s by ingestion. Consult
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporar	y irritation.	
Indication of immediate medical attention and special treatment needed	Treat symptomatically.		
General information	Ensure that medical personnel are aware of t protect themselves.	he material(s) involved, and ta	ke precautions to
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carb	oon dioxide (CO2).	
Unsuitable extinguishing media	None known.		
Specific hazards arising from the chemical	During fire, gases hazardous to health may b	e formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	rotective clothing must be wor	n in case of fire.
Fire fighting equipment/instructions	No unusual fire or explosion hazards noted.		
Specific methods	Use standard firefighting procedures and con	sider the hazards of other invo	olved materials.
General fire hazards	No unusual fire or explosion hazards noted.		
6. Accidental release meas	sures		
Personal precautions, protective equipment and emergency procedures	None known.		
Methods and materials for containment and cleaning up	None necessary.		
Environmental precautions	None known.		
7. Handling and storage			
Precautions for safe handling	Normal handling and use of this product shout this product does not include milling, grinding practices. Wear suitable PPE - edges of sheet	or saw cutting. Observe good	l industrial hygiene
Conditions for safe storage, including any incompatibilities	Store in closed original container in a dry plac	ce.	

# 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Chromium (Component of Stainless Steel) (CAS 7440-47-3)	PEL	1 mg/m3	
Graphite (CAS 7782-42-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Manganese (Component of Stainless Steel) (CAS 7439-96-5)	Ceiling	5 mg/m3	Fume.
Molybdenum (Component of Stainles Steel) (CAS 7439-98-7)	PEL	15 mg/m3	Total dust.
Nickel (Component of Stainless Steel) (CAS 7440-02-0)	PEL	1 mg/m3	
Silicon (Component of Stainless Steel) (CAS 7440-21-3)	PEL	5 mg/m3	Respirable fraction.
,		15 mg/m3	Total dust.
US. OSHA Table Z-3 (29 CFR 1910.100 Components	0) Туре	Value	
Graphite (CAS 7782-42-5)	TWA	15 mppcf	
US. ACGIH Threshold Limit Values Components	Туре	Value	Form
Chromium (Component of Stainless Steel) (CAS 7440-47-3)	TWA	0.5 mg/m3	Inhalable fraction.
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
Manganese (Component of Stainless Steel) (CAS 7439-96-5)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
Molybdenum (Component of Stainles Steel) (CAS 7439-98-7)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Nickel (Component of Stainless Steel) (CAS 7440-02-0)	TWA	1.5 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to Chemica Components	l Hazards Type	Value	Form
Chromium (Component of Stainless Steel) (CAS 7440-47-3)	TWA	0.5 mg/m3	
Graphite (CAS 7782-42-5)	TWA	2.5 mg/m3	Respirable.
Manganese (Component of Stainless Steel) (CAS 7439-96-5)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Nickel (Component of Stainless Steel) (CAS 7440-02-0)	TWA	0.015 mg/m3	

US. NIOSH: Pocket Guide t Components	o Chemical Hazards Type	Value	Form	
Silicon (Component of Stainless Steel) (CAS 7440-21-3)	TWA	5 mg/m3	Respirable.	
		10 mg/m3	Total	
Biological limit values	No biological exposure limits noted for the	e ingredient(s).		
Appropriate engineering controls	General ventilation normally adequate.			
ndividual protection measures	s, such as personal protective equipment			
Eye/face protection	As generally good practice, safety glasses with side shields are recommended when handling this product to prevent eye contact with particulate matter.			
Skin protection				
Hand protection	Wear protective gloves. Edges maybe sharp. Wear suitable gloves to prevent hand lacerations. When handling hot material, use heat resistant gloves.			
Other	Not normally needed.			
Respiratory protection	Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.			
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.			
General hygiene considerations	Always observe good personal hygiene m and before eating, drinking, and/or smokin equipment to remove contaminants.			

# 9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Sheets or Gaskets
Color	Black.
Odor	Slight Acrylic
Odor threshold	Not available.
рН	Not Applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not Applicable
Flash point	Not Applicable
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	Not Applicable
Flammability limit - upper (%)	Not Applicable
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not Soluble
Partition coefficient (n-octanol/water)	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable

Viscosity	Not Applicable
Other information Bulk density	70 lb/ft3
10. Stability and reactivity	/
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid open flames. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Composition of by-products from the result of a fire will vary depending on the specific conditions. Possible decomposition products include smoke, carbon monoxide abd carbon dioxide, . There may be others unknown to us.

# 11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Not relevant due to the form of the product.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

## Information on toxicological effects

Acute toxicity	No adverse effects expected	ed.		
Components	Species	Test Results		
Graphite (CAS 7782-42-5)				
Acute				
Oral				
LD50	Rat	> 10000 mg/kg		
* Estimates for product may b	e based on additional compo	nent data not shown.		
Skin corrosion/irritation	Prolonged skin contact ma	y cause temporary irritation.		
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.			
Respiratory or skin sensitization	n			
<b>Respiratory sensitization</b>	Not a respiratory sensitizer			
Skin sensitization	This product is not expecte	d to cause skin sensitization.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.			
Carcinogenicity				
IARC Monographs. Overall	Evaluation of Carcinogenic	ity		
Chromium (Component of (CAS 7440-47-3)	of Stainless Steel)	3 Not classifiable as to carcinogenicity to humans.		
· ·	, ,	0) 2B Possibly carcinogenic to humans.		
OSHA Specifically Regulate	d Substances (29 CFR 1910	).1001-1053)		
Not listed. US. National Toxicology Pro	ogram (NTP) Report on Car	cinogens		
Nickel (Component of St	ainless Steel) (CAS 7440-02-	0) Reasonably Anticipated to be a Human Carcinogen.		
Reproductive toxicity	This product is not expecte	d to cause reproductive or developmental effects.		
Specific target organ toxicity - single exposure	Not classified.			
Specific target organ toxicity - repeated exposure	Not classified.			
Matarial name: Style 2125 SS CDAD				

#### Aspiration hazard No

Not an aspiration hazard.

Ecotoxicity	This prod	uct has no known eco-toxicological effects	
Components		Species	Test Results
Chromium (Component of St	ainless Stee	el) (CAS 7440-47-3)	
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.01 - 0.7 mg/l, 48 hours
Fish	LC50	Carp (Cyprinus carpio)	14.3 mg/l, 96 hours
Manganese (Component of Aquatic	Stainless St	eel) (CAS 7439-96-5)	
Crustacea	EC50	Water flea (Daphnia magna)	40 mg/l, 48 hours
Molybdenum (Component of Aquatic	Stainles Ste	eel) (CAS 7439-98-7)	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	800 mg/l, 96 hours
Nickel (Component of Stainle	ess Steel) (C	AS 7440-02-0)	
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales prome	elas) 2.923 mg/l, 96 hours
ioaccumulative potential lobility in soil hther adverse effects	Not relev No other	ant due to form of product. ant due to form of product. adverse environmental effects (e.g. ozone endocrine disruption, global warming pote	
3. Disposal consideratio			<i>,</i>
Disposal instructions	Disposal with curre		s supplied. Disposal must be in accordance aterial characteristics at the time of disposal
ocal disposal regulations	Dispose i	n accordance with all applicable regulation	S.
lazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
Vaste from residues / unused roducts		of in accordance with local regulations.	
contaminated packaging		product packaging in accordance with local istics of the packaging material.	authority requirments taking into account
4. Transport information	l		
от			
Not regulated as dangerous ATA	goods.		
Not regulated as dangerous	goods.		
MDG			
Not regulated as dangerous	shoor		

Not regulated as dangerous goods.

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

### 15. Regulatory information

**US federal regulations** 

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)** 

TSCA Section 12(b) E	xport Notification (40 C	FR 707. Subpt. D)		
Not regulated.		, <b>,</b> ,		
CERCLA Hazardous Subs	ance List (40 CFR 302.)	4)		
Chromium (Component (CAS 7440-47-3)		Listed.		
	Stainless Steel) (CAS 744 ase notification	10-02-0) Listed.		
Not regulated.				
OSHA Specifically Regulat Not listed.	ted Substances (29 CFF	R 1910.1001-1053)		
Superfund Amendments and F	Reauthorization Act of 1	986 (SARA)		
SARA 302 Extremely haza				
Not listed.				
SARA 311/312 Hazardous chemical	No (Exempt)			
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
Chromium (Component	of Stainless Steel)	7440-47-3	3 - < 5	
Manganese (Componer	,	7439-96-5	< 1	
Nickel (Component of S	Stainless Steel)	7440-02-0	3 - < 5	
Other federal regulations				
Clean Air Act (CAA) Section	on 112 Hazardous Air Po	ollutants (HAPs) List		
Manganese (Compone	of Stainless Steel) (CAS at of Stainless Steel) (CAS Stainless Steel) (CAS 744 (Stainless Steel) (CAS 744	AS 7439-96-5) 10-02-0)	NED 69 120)	
		ease Frevention (40 C	FR 00.130)	
Not regulated. Safe Drinking Water Act (SDWA)	Not regulated.			
US state regulations	WHMIS Classification	n: Not Controlled		
California Proposition 65				
WARNING: V	VARNING: This product of California to cause cance		ollowing chemicals know reproductive harm.	n to the State of
California Proposition	65 - CRT: Listed date/C	Carcinogenic substan	ce	
-	t of Stainless Steel)	Listed: Octob		
	ate Chemicals List. Saf	er Consumer Product	s Regulations (Cal. Cod	le Regs, tit. 22, 69502.3,
subd. (a))				
Manganese (Comp Molybdenum (Com	nent of Stainless Steel) ( onent of Stainless Steel ponent of Stainles Steel) t of Stainless Steel) (CAS	) (CAS 7439-96-5) (CAS 7439-98-7)		
International Inventories		57110 02 0)		
Country(s) or region	Inventory name			On inventory (yes/no)*
Australia	-	of Chemical Substances	s (AICS)	No
Canada	Domestic Substances			No
Canada	Non-Domestic Substa	,		No
China		Chemical Substances i	n China (IECSC)	No
Europe		of Existing Commercial		No
Europe		fied Chemical Substand	ces (ELINCS)	No
Japan	•	and New Chemical Sub		No
Korea	Existing Chemicals L			No
New Zealand	New Zealand Invento			No

New Zealand

New Zealand Inventory

No

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

Issue date	08-03-2016
Revision date	07-12-2019
Version #	03
Further information	This SDS supersedes the SDS dated: July 10, 2018
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.