

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 1 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

**1.1 Product identifier : CHO-BOND® 1053 Part C, Silicone Rubber Mixture**

**Product Code(s) :** CHO-BOND® 1053, Part C

**SDS No. :** PHC-115 EU

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

: Silicone rubber.  
Use pattern: professional use.  
No restrictions on use known.

**1.3 Details of the supplier of the safety data sheet:**

**Parker Hannifin Ltd., Seal Group**

Chomerics Division Europe

Unit 6 Century Point

Halifax Road

High Wycombe

Bucks, HP12 3SL

United Kingdom

E-mail: [chomerics\\_europe@parker.com](mailto:chomerics_europe@parker.com)

Website: [www.chomerics.com](http://www.chomerics.com)

**Telephone :** +44 (0) 1494 455 400

**1.4 Emergency Telephone Number**

: 001-352-323-3500 (INFOTRAC - U.S.)

### SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

Liquid - blue. Mild odour.

*Most important hazards:*

Causes serious eye irritation. Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. See Section 12 for more environmental information.

This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:

Eye damage/irritation - Category 2; H319

**2.2 Label elements**

*Hazard pictogram(s)*



*Signal word:*  
Warning!

*Hazard statements:*

H319 - Causes serious eye irritation.

10 - 30% of the mixture consists of ingredient(s) of unknown toxicity

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 2 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

*Precautionary statements:*

P264 - Wash hands and face thoroughly after handling.

P280 - Wear eye/face protection.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical advice/attention.

### 2.3 Other hazards

*Other hazards which do not result in classification:*

Toxic fumes may be released during a fire. When heated above 150°C in air, may release formaldehyde gas. May be mildly irritating to skin and respiratory system. May cause gastrointestinal irritation.

*PBT assessment:*

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical nature - Mixture of: Siloxanes.

The following substances shall be indicated according to legislation:

Chemical name	CAS #	EC No.	Concentration	CLP Classification
Silicic acid, sodium salt, hydrolysis products with chlorotrimethylsilane and dichloroethenylmethylsilane	68584-83-8	271-545-1	10.0 - 30.0	No information available.
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with chlorodimethylsilane	68988-57-8	273-531-0	30.0 - 60.0	Flam. Liq. 3; H226 Eye Irrit. 2; H319 (self classified))
<b>The following ingredient may be released from the product only when heated above 150°C:</b>				
Formaldehyde	50-00-0	200-001-8	Not known.	Carc. 2; H351 *Acute Tox. 3; H301 *Acute Tox. 3; H311 *Acute Tox. 3; H331 Skin Corr. 1B; H314 Skin Sens. 1; H317

The above CLP Acute toxicity Classifications for the following chemicals are 'Minimum Classifications': formaldehyde.

For the full text of the H phrases not mentioned in this Section or in Section 2, see Section 16.

## SECTION 4. FIRST-AID MEASURES

### 4.1 Description of first aid measures

*Ingestion* : Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.

*Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. When symptoms persist or in all cases of doubt, seek medical advice.

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 3 of 12

## **SAFETY DATA SHEET**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

- Skin contact* : For skin contact, wash with soap and water while removing contaminated clothing. When symptoms persist or in all cases of doubt, seek medical advice.
- Eye contact* : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 15 minutes. If eye irritation persists: get medical advice/attention.

### **4.2 Most important symptoms and effects, both acute and delayed**

- : Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
- May be mildly irritating to skin and respiratory system. Direct skin contact may cause temporary redness. May cause coughing and breathing difficulties.
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

When heated above 150°C in air, may release formaldehyde gas. Formaldehyde is an eye and throat irritant and acute toxicant. Formaldehyde may cause sensitisation by skin contact. Formaldehyde has shown limited evidence of a carcinogenic effect.

### **4.3 Indication of any immediate medical attention and special treatment needed**

- : Provide general supportive measures and treat symptomatically.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

*Suitable extinguishing media*

- : Carbon dioxide (CO<sub>2</sub>); Dry chemical; Alcohol resistant foam

*Unsuitable extinguishing media*

- : Water may cause spattering of hot material and may spread burning.

### **5.2 Special hazards arising from the substance or mixture**

- : Not considered flammable. However, may burn if exposed to extreme heat and flame. Burning produces obnoxious and toxic fumes. The pressure in sealed containers can increase under the influence of heat. In the event of fire the following can be released: Carbon oxides; formaldehyde; Silica; Silicon oxides

### **5.3 Advice for firefighters**

*Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

*Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

- : Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment.

### **6.2 Environmental precautions**

- : Prevent product from entering drains, sewers, waterways and soil. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

### **6.3 Methods and material for containment and cleaning up**

- : Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Contact the proper local authorities.



**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

SDS Preparation Date (dd/mm/yyyy): 08/09/2015

Page 4 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

### 6.4 Reference to other sections

- : Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

- : Use with adequate ventilation. Wear suitable protective equipment during handling. Wear eye/face protection. Avoid breathing dust, fume or vapors. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Keep away from incompatibles. Keep containers closed when not in use. Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

- : Store in cool/well-ventilated place. Inspect periodically for damage or leaks. Do not store near any incompatible materials (see Section 10).

### 7.3 Specific end use(s)

- : Silicone rubber.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

<u>Exposure Limits:</u>			
<u>Chemical Name</u>	<u>Exposure Limits</u>	<u>Type</u>	<u>Notes</u>
Formaldehyde	0.3 ppm (0.37 mg/m <sup>3</sup> ) (TWA) 1 ppm (1.2 mg/m <sup>3</sup> ) (STEL)	Finland (OEL)	None.
	0.5 ppm (TWA) 1 ppm (STEL)	France (OEL)	None.
	0.6 mg/m <sup>3</sup> (TWA) 0.6 mg/m <sup>3</sup> (STEL)	Hungary (OEL)	Potential for cutaneous absorption
	0.5 mg/m <sup>3</sup> (TWA) 1 mg/m <sup>3</sup> (STEL)	Poland (OEL)	Skin notation
	0.3 ppm (0.37 mg/m <sup>3</sup> ) (STEL)	Spain (OEL)	None.
	2 ppm (2.5 mg/m <sup>3</sup> ) (TWA) 2 ppm (2.5 mg/m <sup>3</sup> ) (STEL)	The United Kingdom (The United Kingdom (WELs))	None.
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with chlorodimethylsilane			
	None known.	European Union (OEL)	None.
Silicic acid, sodium salt, hydrolysis products with chlorotrimethylsilane and dichloroethenylmethylsilane			
	None known.	European Union (OEL)	None.

### Biological Exposure Indices:

No biological exposure limits noted for the ingredient(s).

**Derived No Effect Level (DNEL):** No information available.

**Predicted No Effect Concentration (PNEC):** No information available.



CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture

SDS Preparation Date (dd/mm/yyyy): 08/09/2015

Page 5 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

### 8.2 Exposure controls

#### Ventilation and engineering measures

- : Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. In case of insufficient ventilation wear suitable respiratory equipment.

#### Respiratory protection

- : In case of insufficient ventilation wear suitable respiratory equipment. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Seek advice from respiratory protection specialists.

#### Skin protection

- : For prolonged or repeated contact use protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it. Wear sufficient clothing to prevent skin contact.

#### Eye / face protection

- : Wear eye/face protection. Wear as appropriate: Tightly fitting safety goggles; Safety glasses with side shields. A full face shield may also be necessary. See also EN 166. .

#### Other protective equipment

- : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

#### General hygiene considerations

- : Avoid breathing dust, fume or vapors. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- |   |                             |
|---|-----------------------------|
| Appearance                              | : Liquid - blue             |
| Odour                                   | : Mild odour.               |
| Odour threshold                         | : No information available. |
| pH                                      | : No information available. |
| Flash point                             | : > 100°C                   |
| Flashpoint (Method)                     | : closed cup                |
| Lower flammable limit (% by vol.)       | : No information available. |
| Upper flammable limit (% by vol.)       | : No information available. |
| Flammability (solid, gas)               | : Not applicable.           |
| Auto-ignition temperature               | : No information available. |
| Decomposition temperature               | : No information available. |
| Oxidizing properties                    | : None known.               |
| Explosive properties                    | : Not explosive             |
| Initial boiling point and boiling range | : No information available. |
| Melting/Freezing point                  | : No information available. |
| Relative density                        | : 1.02                      |
| Solubility in water                     | : Insoluble.                |

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 6 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

- Other solubility(ies)** : No information available.  
**Vapour pressure** : negligible  
**Vapour density** : No information available.  
**Partition coefficient: n-octanol/water**  
: No information available.  
**Viscosity** : No information available.  
**Evaporation rate (BuAe = 1)**  
: No information available.

### 9.2 Other Information

- Volatiles (% by weight)** : No information available.  
**Volatile organic Compounds (VOC's)**  
: No information available.  
**Other physical/chemical comments**  
: No additional information.

## SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity** : Not normally reactive.  
**10.2 Chemical stability** : Stable under normal conditions. When heated above 150°C in air, may release formaldehyde gas.  
**10.3 Possibility of hazardous reactions**  
: Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.  
**10.4 Conditions to avoid** : Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.  
**10.5 Incompatible materials**  
: Strong oxidizing agents; Strong acids; Strong bases; Water / alcohol combination in contact with metals.  
**10.6 Hazardous decomposition products**  
: None known.  
Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; formaldehyde; Silica; Silicon oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological effects:

- Acute toxicity** : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.  
.  
**Skin corrosion/Irritation** : According to the classification criteria of the European Union, this product is not considered as being a skin corrosive or irritant.  
**Serious eye damage/irritation**  
: This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008.  
Classification:  
Eye damage/irritation - Category 2. Causes serious eye irritation.  
**Respiratory or skin sensitisation**  
: Not expected to be a skin or respiratory sensitizer.  
Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde may cause sensitisation by skin contact.  
**Germ cell mutagenicity** : Contains no ingredient listed as a mutagen.

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

SDS Preparation Date (dd/mm/yyyy): 08/09/2015

Page 7 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

- Carcinogenicity** : Contains no ingredient listed as a carcinogen  
Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde has shown limited evidence of a carcinogenic effect.
- Reproductive toxicity** : Contains no ingredient listed as toxic to reproduction.
- STOT-single exposure** : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through a single exposure.
- STOT-repeated exposure** : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through repeated exposures.
- Aspiration hazard** : According to the classification criteria of the European Union, this product is not considered as being an aspiration hazard to humans.
- Toxicological data** : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u>	<u>LD<sub>50</sub></u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Silicic acid, sodium salt, hydrolysis products with chlorotrimethylsilane and dichloroethenylmethylsilane	No information available.	No information available.	No information available.
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with chlorodimethylsilane	No information available.	No information available.	No information available.
<b>The following ingredient may be released from the product only when heated above 150°C:</b>			
Formaldehyde	287 ppm	800 mg/kg (rat) The estimated human lethal dose is: 317 - 475 mg/kg	300 mg/kg

- Routes of exposure** : Eye contact; Skin contact; Inhalation; Ingestion
- Effects of acute exposure** : *Inhalation*: Mild respiratory irritant. May cause coughing and breathing difficulties. Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde causes severe respiratory irritation, lung inflammation and pulmonary edema.
- Skin contact*: May cause mild skin irritation. Direct skin contact may cause temporary redness.
- Eye contact*: Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.
- Ingestion*: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Potential Chronic Health Effects**

- : None known or reported by the manufacturer.
- Other important hazards** : Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde is an eye and throat irritant and acute toxicant.

## SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity** : No data is available on the product itself. Should not be released into the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

See the following tables for individual ingredient ecotoxicity data.



**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

SDS Preparation Date (dd/mm/yyyy): 08/09/2015

Page 8 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

### Ecotoxicity data:

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Silicic acid, sodium salt, hydrolysis products with chlorotrimethylsilane and dichloroethenylmethylsilane	68584-83-8	No information available.	No information available.	No information available.
Formaldehyde	50-00-0	6.7 mg/L (Striped bass)	≥ 48 mg/L/28-day (Japanese ricefish)	None.
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with chlorodimethylsilane	68988-57-8	No information available.	No information available.	None.

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Silicic acid, sodium salt, hydrolysis products with chlorotrimethylsilane and dichloroethenylmethylsilane	68584-83-8	No information available.	No information available.	No information available.
Formaldehyde	50-00-0	5.8 mg/L (Daphnia magna)	No information available.	None.
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with chlorodimethylsilane	68988-57-8	No information available.	No information available.	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Silicic acid, sodium salt, hydrolysis products with chlorotrimethylsilane and dichloroethenylmethylsilane	68584-83-8	No information available.	No information available.	No information available.
Formaldehyde	50-00-0	14.7 mg/L/24hr (Green algae)	No information available.	None.
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with chlorodimethylsilane	68988-57-8	No information available.	No information available.	None.

### 12.2 Persistence and degradability

: The product itself has not been tested.

### 12.3 Bioaccumulation potential

: The product itself has not been tested. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log K<sub>ow</sub>)</u>	<u>Bioconcentration factor (BCF)</u>
Formaldehyde (CAS 50-00-0)	0.35	3



**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 9 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

**12.4 Mobility in soil** : The product itself has not been tested.

**12.5 Results of PBT and vPvB assessment**

: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

**12.6 Other Adverse Environmental effects**




: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods:

- Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. This material and its container must be disposed of in a safe way.
- Methods of Disposal** : Empty containers retain residue (liquid and/or vapour) and can be dangerous. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

### SECTION 14. TRANSPORTATION INFORMATION

<i>Regulatory Information</i>	<b>14.1 UN Number</b>	<b>14.2 UN proper shipping name</b>	<b>14.3 Transport hazard class(es)</b>	<b>14.4 Packing Group</b>	<i>Label</i>
ADR/RID	None.	not regulated	not regulated	none	
EU ADR/RID Classification Code	Not applicable.				
EU ADR / RID Hazard Identification Number	Not applicable.				
ADR/RID Additional information	Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	



Parker Hannifin Ltd., Seal Group  
Chomerics Division Europe  
Unit 6 Century Point, Halifax Road  
High Wycombe, Bucks, HP123SL  
United Kingdom  
Telephone: +44 (0) 1494 455 400

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 10 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

<b>IMDG Additional information</b>	None.
--	-------

**14.5 Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

**14.6 Special precautions for user**

: Appropriate advice on safety must accompany the package.

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

: Not applicable.

## SECTION 15. REGULATORY INFORMATION

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

: Classification according to Regulation (EC) No. 1272/2008 on the classification of hazardous mixtures.

### *Authorisations*

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:

None of the components are specifically listed.

### *Restrictions on use*

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended

None of the components are specifically listed.

*Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances:*

None of the components are specifically listed.

*Directive 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work:*

Silicic acid (H<sub>4</sub>SiO<sub>4</sub>), tetraethyl ester, reaction products with chlorodimethylsilane (CAS # 68988-57-8)

*Directive 94/33/EC on the protection of young people at work:*

None of the components are specifically listed.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended [including Regulation (EU) 2015/830].

Follow national regulation for work with chemical agents.

German legislation on water endangering substances VwVwS: Water contaminating class (Germany) - No information available.

**15.2 Chemical safety assessment**

: A chemical safety assessment has not been carried out by the Manufacturer of this product.



Parker Hannifin Ltd., Seal Group  
Chomerics Division Europe  
Unit 6 Century Point, Halifax Road  
High Wycombe, Bucks, HP123SL  
United Kingdom  
Telephone: +44 (0) 1494 455 400

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 11 of 12

## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

### SECTION 16. OTHER INFORMATION

#### Legend

: ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS: Chemical Abstract Services  
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
EC: European Community  
EC50: Effective Concentration 50%.  
ECHA: European Chemicals Agency  
EEC: European Economic Community  
EN: European Standard  
EU: European Union  
HSDB: Hazardous Substances Data Bank  
IATA: International Air Transport Association  
IBC: Intermediate Bulk Container  
IMDG: International Maritime Dangerous Goods  
LC: Lethal Concentration  
LD: Lethal Dose  
NOEC: No observable effect concentration  
OECD: Organisation for Economic Co-operation and Development  
OEL: National occupational exposure limits  
PEL: Permissible exposure limit  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
RTECS: Registry of Toxic Effects of Chemical Substances  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
WEL: Workplace Exposure Limit

#### Information Source

- : 1. Material Safety Data Sheet from manufacturer.  
2. Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).  
3. European Chemicals Agency, Classification Legislation, 2015.  
4. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015

#### Preparation Date (dd/mm/yyyy)

: 08/09/2015

#### H-Phrases (Full text)

- : H301 - Toxic if swallowed.  
H311 - Toxic in contact with skin.  
H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H331 - Toxic if inhaled.  
H351 - Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

#### Other special considerations for handling

- : Provide adequate information, instruction and training for operators.



Parker Hannifin Ltd., Seal Group  
Chomerics Division Europe  
Unit 6 Century Point, Halifax Road  
High Wycombe, Bucks, HP123SL  
United Kingdom  
Telephone: +44 (0) 1494 455 400

**CHO-BOND® 1053 Part C, Silicone Rubber  
Mixture**

**SDS Preparation Date (dd/mm/yyyy): 08/09/2015**

Page 12 of 12

## **SAFETY DATA SHEET**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

<p><b><u>Prepared for:</u></b> Parker Hannifin Corp. 77 Dragon Court Woburn, MA, USA 01888 Telephone: 001-781-935-4850 <a href="http://www.parker.com">http://www.parker.com</a> Direct all enquiries to Parker Hannifin.</p>	
<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

### **DISCLAIMER**

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Parker Hannifin Corporation and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Parker Hannifin Corporation expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Parker Hannifin Corporation.

**END OF DOCUMENT**