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CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 1 of 16

Revision No.: 4

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-SEAL® 1285 Conductive Silicone Elastomer (uncured)

Product Code(s) : 1285

SDS No. : PHC-249 EU

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

: Conductive elastomer / EMI Shielding.

Use pattern: professional use.

Refer to restrictions found in REACH Annex XVII item 75.

1.3 Details of the supplier of the safety data sheet:

Parker Hannifin Ltd.

Engineered Materials Group

Chomerics Division Europe

Unit 6 Century Point

Halifax Road

High Wycombe

Bucks, HP12 3SL

United Kingdom

E-mail: chomerics_europe@parker.com

Website: www.chomerics.com

Telephone : 044 (0) 1494 455 400

1.4 Emergency Telephone Number

: 001-352-323-3500 (INFOTRAC)

Poisons Information Centre

The United Kingdom NHS 111

France + 33 3 83 85 21 92

Sweden +46104566750

Poland +46 10 456 6750

Italy

06 68593726 (CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza - Roma) 800

183459 (Az. Osp. Univ. Foggia - Foggia)

081 5453333 (Az. Osp. "A. Cardarelli" - Napoli)

06 49978000 (CAV Policlinico "Umberto I" - Roma)

06 3054343 (CAV Policlinico "A. Gemelli" - Roma)

055 7947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze)

0382 24444 (CAV Centro Nazionale di Informazione Tossicologica - Pavia) 02

66101029 (Osp. Niguarda Ca' Granda - Milano)

800 883300 (Azienda Ospedaliera Papa Giovanni XXII - Bergamo)

1.5 National Contact

: E-mail: chomerics_europe@parker.com

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SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture



CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 2 of 16

Revision No.: 4

SAFETY DATA SHEET

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

Solid (Putty) - blue. No odour.

Most important hazards:

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.

The product is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Hazard pictogram(s)

None required according to Regulation (EC) No. 1272/2008.

Signal word:

None required according to Regulation (EC) No. 1272/2008.

Hazard statements:

None required according to Regulation (EC) No. 1272/2008.

Precautionary statements:

None required according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

Other hazards which do not result in classification:

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. Heating or fire can release toxic gas. May be mildly irritating to skin, eyes and respiratory system. Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation. Inhalation of fumes may result in metal fume fever, a flu-like illness.

Environmental precautions: Not expected to be harmful to aquatic organisms. Avoid release to the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. See Section 12 for more environmental information.

Endocrine disrupting properties: None.

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

CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 3 of 16

Revision No.: 4

SAFETY DATA SHEET

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

Chemical nature of the preparation: Mixture - Silver plated aluminium powder; Siloxanes; Inorganic substances in powdered form; Silicone polymer; Dyestuff.

The following substances shall be indicated according to legislation:

Substance name	CAS No	EC No.	Reach Registration No.	% Weight	Classification according to Regulation (EC) nr. 1272/2008	SCL, M-factor, ATE
Aluminium	7429-90-5	231-072-3	Not applicable.	50.0 - 60.0	not hazardous (Supplier's classification)	Not applicable.
Amorphous silica	7631-86-9	231-545-4	Not applicable.	5.0 - 10.0	not hazardous. Substances for which there are Member Country workplace exposure limits.	Not applicable.
Silver metal	7440-22-4	231-131-3	Not applicable.	7.0 - 13.0	not hazardous. Substances for which there are Community workplace exposure limits.	Not applicable.
Polydimethylsiloxane	70131-67-8	Polymer	Not applicable.	1.0 - 3.0	Eye Irrit. 2; H319 (self classified)	Not applicable.
Octamethyltrisiloxane	107-51-7	203-497-4	Not applicable.	1.0 - 5.0	Flam. Liq. 3; H226 Aquatic Chronic 4; H413 (self classified)	Not applicable.
The following ingredient may be released from the product only when heated above 150°C:				Not known.	Carc. 1B; H350 Muta. 2; H341 *Acute Tox. 3; H301 *Acute Tox. 3; H311 *Acute Tox. 3; H331 Skin Corr. 1B; H314 Skin Sens. 1; H317	Not applicable.
formaldehyde	50-00-0	200-001-8	Not applicable.			

*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.



CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 4 of 16

Revision No.: 4

SAFETY DATA SHEET

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

SECTION 4. FIRST-AID MEASURES

4.1 Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.
- Inhalation* : If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. When symptoms persist or in all cases of doubt, seek medical advice.
- Skin contact* : Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt, seek medical advice. Wash contaminated clothing before re-use.
- Eye contact* : Rinse immediately with plenty of water and seek medical advice.

4.1.2 Self-protection for the first aider

- : None known or reported by the manufacturer.

4.2 Most important symptoms and effects, both acute and delayed

- : May be mildly irritating to skin, eyes and respiratory system. May cause coughing and breathing difficulties. Exposure may cause temporary irritation, redness or discomfort. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath.
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.
- 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 may cause mutations to non-reproductive (somatic) cells, based on animal data. Formaldehyde is classified as carcinogenic.

4.3 Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

- : Carbon dioxide (CO₂); Dry chemical; Alcohol resistant foam; Water spray.

Unsuitable extinguishing media

- : Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

- : Not considered flammable. During cure, vapours are released which may be harmful. The pressure in sealed containers can increase under the influence of heat. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; formaldehyde; Metal oxides; Silicon oxides; Ammonia; Other unidentified organic compounds.

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.



**CHO-SEAL® 1285 Conductive Silicone
Elastomer (uncured)**

SDS No: PHC-249 EU

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 5 of 16

Revision No.: 4

SAFETY DATA SHEET

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

- : Do not allow material to contaminate ground water system. 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. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Use inert, non-combustible absorbents to assist the pick up of material. Scrape up product and place it into a container for disposal. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

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 only with adequate ventilation. Wear appropriate protective equipment. Avoid breathing vapours, fumes, or mists. Avoid contact with skin, eyes and clothing. Keep away from heat. Keep away from acids and other incompatibles. Keep container tightly closed. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- : Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Do not store near any incompatible materials (see Section 10).

7.3 Specific end use(s)

- : Conductive elastomer / EMI Shielding

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits:			
Chemical Name	Exposure Limits	Type	Notes
Aluminium	10 mg/m ³ (metal); 5 mg/m ³ (dust) (TWA)	France (OEL)	None.
	6 mg/m ³ (respirable dust) (TWA)	Hungary (OEL)	None.
	2.5 mg/m ³ (inhalable dust and fume); 1.2 mg/m ³ (respirable dust and fume) (TWA)	Poland (OEL)	None.
	10 mg/m ³ (dust) (TWA)	Spain (OEL)	None.
	10 mg/m ³ (inhalable); 4 mg/m ³ (respirable dust) (TWA)	The United Kingdom (WELs)	None.



CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 6 of 16

Revision No.: 4

SAFETY DATA SHEET

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

Amorphous silica	4 mg/m ³ (inhalable); 0.3 mg/m ³ (respirable dust) (TWA)	Austria (OEL)	None.
	4 mg/m ³ (inhalable) (TWA)	Germany (OEL)	None.
	6 mg/m ³ (inhalable); 2.4 mg/m ³ (respirable dust) (TWA)	The United Kingdom (WELs)	None.
	18 mg/m ³ (inhalable); 7.2 mg/m ³ (respirable dust) (STEL)		
Silver metal	0.1 mg/m ³ (TWA)	European Union (OEL)	None.
	0.1 mg/m ³ (TWA)	Finland (OEL)	None.
	0.1 mg/m ³ (TWA)	France (OEL)	None.
	0.1 mg/m ³ (inhalable) (TWA)	Germany (OEL)	(exposure factor 8)
	0.1 (TWA) 0.4 mg/m ³ (STEL)	Hungary (OEL)	None.
	0.1 mg/m ³ (TWA)	Italy (OEL)	None.
	0.05 (TWA)	Poland (OEL)	None.
	0.1 mg/m ³ (TWA)	Spain (OEL)	None.
	0.1 mg/m ³ (TWA)	The United Kingdom (WELs)	None.
Polydimethylsiloxane	None known.	European Union (OEL)	None.
Octamethyltrisiloxane	None known.	European Union (OEL)	None.
formaldehyde	0.3 ppm (0.37 mg/m ³) (TWA) 1 ppm (1.2 mg/m ³) (STEL)	Finland (OEL)	None.
	0.5 ppm (TWA) 1 ppm (STEL)	France (OEL)	None.
	0.3 ppm (0.37 mg/m ³) (TWA)	Germany (OEL)	(exposure factor 2)
	0.6 mg/m ³ (TWA) 0.6 mg/m ³ (STEL)	Hungary (OEL)	Potential for cutaneous absorption
	0.5 mg/m ³ (TWA) 1 mg/m ³ (STEL)	Poland (OEL)	Skin notation
	0.3 ppm (0.37 mg/m ³) (STEL)	Spain (OEL)	None.
	2 ppm (2.5 mg/m ³) (TWA) 2 ppm (2.5 mg/m ³) (STEL)	The United Kingdom (WELs)	None.

Biological Exposure Indices:

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



**CHO-SEAL® 1285 Conductive Silicone
Elastomer (uncured)**

SDS No: PHC-249 EU

SDS Revision Date (dd/mm/yyyy): 12/07/2023
Revision No.: 4

Page 7 of 16

SAFETY DATA SHEET

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

Biological Exposure Indices:

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

Predicted No Effect Concentration (PNEC)

(CAS # 7431-86-9)

20 mg/L (sewage treatment)

(CAS # 7440-22-4)

0.04 µg/L (freshwater); 0.86 µg/L (marine water); 438.13 mg/kg (sediment (freshwater)); 438.13 mg/kg (sediment (marine water)); 0.025 mg/L PNEC (sewage treatment); 1.41 mg/kg soil (soil)

(CAS107-51-7)

1.7 mg/kg (food chain); 8.9 mg/kg s (sediment (freshwater)); 0.89 mg/kg (sediment (marine water)); 1 mg/L ; (sewage treatment); 0.5 mg/kg (soil)

Derived No Effect Level (DNEL) :

(CAS # 7440-22-4)

general population inhalation systemic effects long term exposure 0.04 mg/m³; workers inhalation systemic effects long term exposure 0.1 mg/m³ ; general population oral systemic effects long term exposure 1.2 mg/kg bw/day

(CAS # 107-51-7)

general population oral systemic effects long term exposure 0.04 mg/kg bw/day ; general population inhalation systemic effects long term exposure 19 mg/m³ ; workers inhalation systemic effects long term exposure 78 mg/m³ ; general population dermal systemic effects long term exposure 556.5 mg/kg bw/day; workers dermal systemic effects long term exposure 1103 mg/kg bw/day

8.2 Exposure controls

Ventilation and engineering measures

- : Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : In the case of vapour formation use a respirator with an approved filter. 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.

Skin protection

- : Gloves impervious to the material are recommended. 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. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.

Eye / face protection

- : Wear as appropriate: Safety glasses with side-shields conforming to EN166

Other protective equipment

- : Ensure that eyewash stations and safety showers are close to the workstation location.

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.

8.3 Environmental exposure controls

- : Dike for water control. Avoid release to the environment.



CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 8 of 16

Revision No.: 4

SAFETY DATA SHEET

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: solid (Putty) - blue
Colour	: blue
Odour	: No odour.
Odour threshold	: No information available.
pH	: No information available.
Flash point	: No information available.
Flashpoint (Method)	: No information available.
Lower flammable limit (% by vol.)	: No information available.
Upper flammable limit (% by vol.)	: No information available.
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	: 1.9
Solubility in water	: insoluble
Other solubility(ies)	: No information available.
Vapour pressure	: No information available.
Vapour density	: Heavier than air.
Partition coefficient: n-octanol/water	: No information available.
Viscosity	: No information available.
Evaporation rate (BuAe = 1)	: No information available.
Particle characteristics	: Not applicable.

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.



CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 9 of 16

Revision No.: 4

SAFETY DATA SHEET

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

10.3 Possibility of hazardous reactions

- : Hazardous polymerization does not occur.

10.4 Conditions to avoid : Direct sources of heat. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.

10.5 Incompatible materials

- : Strong acids; Oxidizing agents; Bases

10.6 Hazardous decomposition products

- : Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; formaldehyde; metal oxides; Silicon oxides; Hydrocarbons; Ammonia; Other unidentified organic compounds.

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

- : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

- : According to the classification criteria of the European Union, this product is not considered as being an allergic respiratory sensitiser.
According to the classification criteria of the European Union, this product is not considered as being an allergic skin sensitiser.

Germ cell mutagenicity : Contains no ingredient listed as a mutagen.
Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde may cause mutations to non-reproductive (somatic) cells, based on animal data.

Carcinogenicity : Contains no ingredient listed as a carcinogen.
Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde is classified as carcinogenic.

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.

Routes of exposure : Eye contact; Skin contact; Inhalation; Ingestion.

CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 10 of 16

Revision No.: 4

SAFETY DATA SHEET

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

Effects of acute exposure : Inhalation: Mild respiratory irritant. May cause coughing and breathing difficulties. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath. 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. Exposure may cause temporary irritation, redness or discomfort.

Eye contact: May cause mild eye irritation. Exposure may cause temporary irritation, redness or discomfort.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential Chronic Health Effects

- : Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.

Information on other Hazards

- : Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde may cause sensitisation by skin contact. Formaldehyde is an eye and throat irritant and acute toxicant.

11.1.1 Acute Toxicity

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>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Aluminium	> 2.3 mg/L (dust) (No mortality)	> 2000 mg/kg (No mortality)	No information available.
Amorphous silica	No information available.	3160 mg/kg	> 5000 mg/kg
Silver metal	> 5.16 mg/L (dust) (No mortality)	> 2000 mg/kg (No mortality)	> 2000 mg/kg (No mortality)
Polydimethylsiloxane	> 11.59 mg/L (mist)	> 15 400 mg/kg	> 2000 mg/kg
Octamethyltrisiloxane	> 22.6 mg/L (vapour) (No mortality)	> 2000 mg/kg (No mortality)	> 2000 mg/kg (No mortality)
The following ingredient may be released from the product only when heated above 150°C:			
formaldehyde	287 ppm	800 mg/kg (rat) The estimated human lethal dose is: 317 - 475 mg/kg	300 mg/kg

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties : none

11.2.2 Other hazards :none

SECTION 12. ECOLOGICAL INFORMATION



CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 11 of 16

Revision No.: 4

SAFETY DATA SHEET

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

12.1 Toxicity

: No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Aluminium	7429-90-5	No information available.	No information available.	None.
Amorphous silica	7631-86-9	No information available.	No information available.	None.
Silver metal	7440-22-4	No information available.	No information available.	None.
Polydimethylsiloxane	70131-67-8	No information available.	No information available.	None.
Octamethyltrisiloxane	107-51-7	No information available.	No information available.	None.
formaldehyde	50-00-0	6.7 mg/L (Striped bass)	≥ 48 mg/L/28-day (Japanese ricefish)	None.

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Aluminium	7429-90-5	No information available.	No information available.	None.
Amorphous silica	7631-86-9	No information available.	No information available.	None.
Silver metal	7440-22-4	No information available.	No information available.	None.
Polydimethylsiloxane	70131-67-8	No information available.	No information available.	None.
Octamethyltrisiloxane	107-51-7	No information available.	No information available.	None.
formaldehyde	50-00-0	5.8 mg/L (Daphnia magna)	No information available.	None.



CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 12 of 16

Revision No.: 4

SAFETY DATA SHEET

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

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Aluminium	7429-90-5	No information available.	No information available.	None.
Amorphous silica	7631-86-9	No information available.	No information available.	None.
Silver metal	7440-22-4	No information available.	No information available.	None.
Polydimethylsiloxane	70131-67-8	No information available.	No information available.	None.
Octamethyltrisiloxane	107-51-7	No information available.	No information available.	None.
formaldehyde	50-00-0	14.7 mg/L/24hr (Green algae)	No information available.	None.

12.2 Persistence and degradability

- : The product itself has not been tested.
- Contains the following chemicals which are not readily biodegradable: Aluminium; silver; Amorphous silica; Octamethyltrisiloxane.

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_{ow})</u>	<u>Bioconcentration factor (BCF)</u>
Octamethyltrisiloxane (CAS 107-51-7)	6.6	3610; 5600 (parent compound) (Fish)
formaldehyde (CAS 50-00-0)	0.35	3.0

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 Endocrine disrupting properties

- : None known or reported by the manufacturer.

12.7 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.

12.8 Additional information

- : None known or reported by the manufacturer.

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.
- Methods of 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.



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CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 13 of 16

Revision No.: 4

SAFETY DATA SHEET

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

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	14.1 UN Number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing Group	Label
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	
IMDG Additional information	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. Keep containers dry and tightly closed to avoid moisture absorption and contamination.

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

CHO-SEAL® 1285 Conductive Silicone

SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 14 of 16

Revision No.: 4

SAFETY DATA SHEET

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

- : 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:

Refer to restrictions found in REACH Annex XVII item 75.

Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances:

None.

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

Octamethyltrisiloxane (CAS # 107-51-7)

Polydimethylsiloxane (CAS # 70131-67-8)

formaldehyde (CAS # 50-00-0)

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

formaldehyde (CAS # 50-00-0)

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended [including Regulation (EU) 2020/878].

Follow national regulation for work with chemical agents.

German legislation on water endangering substances AWSV - Water contaminating class (Germany): 1 (self classified)

15.2 Chemical safety assessment

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



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SDS No: PHC-249 EU

Elastomer (uncured)

SDS Revision Date (dd/mm/yyyy): 12/07/2023

Page 15 of 16

Revision No.: 4

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
EC: European Community
EEC: European Economic Community
EN: European Standard
EU: European Union
HSDB: Hazardous Substances Data Bank
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
OECD: Organisation for Economic Co-operation and Development
OEL: National occupational exposure limits
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, CCInfoWeb Databases
3. European Chemicals Agency, Classification Legislation
4. OECD - The Global Portal to Information on Chemical Substances

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Revision Information

: (M)SDS sections updated:All (format change)

Regulation and Procedure

:

H-phrases (full-text)

H226 - Flammable liquid and vapour.

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.

H341 - Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H350 - May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H413 - May cause long lasting harmful effects to aquatic life.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



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Page 16 of 16

Revision No.: 4

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