

Telephone: 044 (0) 1494 455 400

SDS No: PHC-133 EU

Page 1 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

SAFETY DATA SHEET

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

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

1.1 Product identifier : THERM-A-GAP™ GEL30 (XTS-8030)

**Product Code(s)** : 65-00-GEL30-0030; 65-00-GEL30-0300; 69-11-28020-GEL30

UFI- XEC0-20NN-Q00Q-57PP

SDS No. : PHC-133 EU

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

: Fully cured dispensable gel for use in gap filling.

Use pattern: professional use No restrictions on use known.

#### 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

Parker Hannifin Manufacturing France SAS

ZAC des Epineaux 7 avenue Louis Blériot 95740 Frépillon, France

Telephone: 033 (01) 34 32 39 00 Email: parker.france@parker.com Website: www.parkerfrance.fr

**Telephone** : 044 (0) 1494 455 400

1.4 Emergency Telephone Number



Telephone: 044 (0) 1494 455 400

SDS No: PHC-133 EU

Page 2 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### SAFETY DATA SHEET

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

: +1-352-323-3500 (INFOTRAC - United States of America)

Poisons Information Centre

Norway

Telefon: 22 59 13 00

Beskrivelse: Giftinformasjonen

Telefon: 110

Beskrivelse: Brannvesenet

Telefon: 112

Beskrivelse: Politiet

Telefon: 113

Beskrivelse: Medisinsk nødhjelp Sweden +46104566750 Denmark +4572544000 The United Kingdom NHS 111 France +33383852192 Poland +48 42 2538 400 Portugal +351213303271

Portugal +351213303271 Hungary +36(1)4761135 Germany +4930184120 Finland +358 5052 000

Finland +358 5052 000 Romania +40213183606

Czech Republic +420 267 082 236, +420 267 082 230, +420 267 082 229

Italy

06 68593726 (CAV "Osp. Pediatrico Bambino Gesu" 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

Website: www.chomerics.com

#### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

gel - pink. 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)



Page 3 of 14

THERM-A-GAP™ GEL30 (XTS-8030) SDS No: PHC-133 EU

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### SAFETY DATA SHEET

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

Signal word:

EUH210 - Safety data sheet available on request.

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:

Burning produces obnoxious and toxic fumes. This product is a cured silicone material. The ingredients listed in Section 3 are encapsulated within the silicone matrix, therefore no exposure to these materials is expected during normal use/handling of this product. May cause mild respiratory irritation at higher temperatures. Inhalation of fumes may result in metal fume fever, a flu-like illness. Prolonged or repeated contact with skin may cause irritation in some cases. Prolonged exposure may cause eye irritation. May cause gastrointestinal irritation.

Endocrine disrupting properties: None.

PBT assessment:

This mixture contains no substance(s) above reportable levels which are considered to be persistent, bioaccumulating nor toxic (PBT), or very persistent and very bioaccumulating (vPvB).

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Chemical nature: Cured silicone (Resin).

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	<u>SCL,</u> <u>M-factor,</u> <u>ATE</u>
The following ingredie encapsulated within th						



THERM-A-GAP™ GEL30 (XTS-8030) SDS No: PHC-133 EU

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

Page 4 of 14

#### SAFETY DATA SHEET

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

Aluminium oxide 1344-28-1	Not applicable.	85.0 - 95.0 not hazardous Substances for which there are Community workplace exposure limits.	applicable.
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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.

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* : Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses,

if present and easy to do. When symptoms persist or in all cases of doubt, seek

medical advice.

#### 4.1.2 Self-protection for the first aider

: Wear protective gloves and eye/face protection.

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

This product is a cured silicone material. The ingredients listed in Section 3 are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product.

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. May cause mild respiratory irritation at higher temperatures. May cause coughing and breathing difficulties.

Prolonged exposure may cause eye irritation. Prolonged or repeated contact with skin may cause irritation in some cases. Exposure may cause temporary irritation, redness or discomfort.

If material is ingested, may cause irritation to mucous membranes. May cause nausea, stomach pain and vomiting.

#### 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

 Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

: None known.

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



Telephone: 044 (0) 1494 455 400

SDS No: PHC-133 EU

Page 5 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### SAFETY DATA SHEET

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: Not classified as 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; Metal oxides; formaldehyde; Silicon oxides; Nitrogen oxides (NOx).

#### 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. Wear appropriate protective equipment.

#### 6.2 Environmental precautions

: Prevent product from entering drains, sewers, waterways and soil. Avoid release to the environment.

#### 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.

#### 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. 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. Avoid release to the environment.

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

: Storage conditions 10-32 °C (50-90°F) Inspect periodically for damage or leaks. Do not store near any incompatible materials (see Section 10).

7.3 Specific end use(s) : Fully cured dispensable gel for use in gap filling.

#### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **8.1 Control Parameters**

Exposure Limits:			
Chemical Name	Exposure Limits	<u>Type</u>	<u>Notes</u>



Page 6 of 14

THERM-A-GAP™ GEL30 (XTS-8030) SDS No: PHC-133 EU

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

#### SAFETY DATA SHEET

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

Aluminium oxide			
	10 mg/m³ (TWA)	France (OEL)	None.
		Hungary (OEL)	
	2.5 mg/m³ (inhalable); 1.2 mg/m³ (respirable dust) (TWA)	Poland (OEL)	None.
	10 mg/m³ (TWA)	Portugal (OEL)	None.
	10 mg/m³ (TWA)	Spain (OEL)	None.
	5 mg/m³ (Total dust); 2 mg/m³ (respirable dust) (TWA)	Sweden (OEL)	None.
	10 mg/m³ (inhalable); 4 mg/m³ (respirable dust) (TWA)	The United Kingdom (WELs)	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): 20 mg/LSewage treatment

#### **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. Good ventilation (typically 10 air changes per hour) should be sufficient to control airbourne levels. 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 as appropriate: Tightly fitting safety goggles; Safety glasses with side shields

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.

#### 8.3 Environmental exposure controls

: Avoid release to the environment.



Page 7 of 14

THERM-A-GAP™ GEL30 (XTS-8030) SDS No: PHC-133 EU

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

#### SAFETY DATA SHEET

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Physical state : gel - pink
Colour : pink
Odour : No odour.

Odour threshold : No information available. pH : No information available.

Flash point : > 275°C

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 : > 1.0
Solubility in water : Insoluble.

Other solubility(ies): No information available.Vapour pressure: No information available.Vapour density: No information available.

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) : negligible 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.



Page 8 of 14

THERM-A-GAP™ GEL30 (XTS-8030) SDS No: PHC-133 EU

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### SAFETY DATA SHEET

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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

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; Metal oxides; formaldehyde; Silicon oxides; Nitrogen oxides

(NOx).

#### 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

: Not expected to be a skin or respiratory sensitizer.

Germ cell mutagenicity Carcinogenicity

: Contains no ingredient listed as a mutagen. : Contains no ingredient listed as a carcinogen.

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.

According to the classification criteria of the European Union, this product is not **Aspiration hazard** 

considered as being an aspiration hazard to humans. Routes of exposure Eye contact; Skin contact; Inhalation; Ingestion

Effects of acute exposure:

Inhalation: May cause mild respiratory irritation at higher temperatures. 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: Direct skin contact may result in little or no irritation. Direct skin contact may cause temporary redness.

Eye contact: Causes little or no irritation. Exposure may cause temporary irritation, redness or discomfort.

Ingestion: If material is ingested, may cause irritation to mucous membranes. May cause nausea, stomach pain and vomiting.



Telephone: 044 (0) 1494 455 400

SDS No: PHC-133 EU

Page 9 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### **SAFETY DATA SHEET**

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#### **Potential Chronic Health Effects**

: No hazards resulting from the material as supplied.

#### **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.

Chemical name	LC₅₀(4hr)	LDs	0
	<u>inh, rat</u>	(Oral, rat)	(Rabbit, dermal)
The following ingredients  Aluminium oxide	of the Cured silicone are er >2.3 mg/L (dust) (no deaths)	ncapsulated within the sil	icone matrix:  No information available.

#### 11.2 Information on other Hazards

: Not applicable

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties: none

11.2.2 Other hazards: none

#### SECTION 12. ECOLOGICAL INFORMATION

**12.1 Toxicity** : No data is available on the product itself. Should not be released into the environment.

See the following tables for individual ingredient ecotoxicity data.

#### Ecotoxicity data:

Ingradianta	CACNO	Toxicity to Fish		
<u>Ingredients</u>	CAS No	LC50 / 96h	NOEC / 21 day	M Factor
Aluminium oxide	1344-28-1			

<u>Ingredients</u>	CAS No	Тох	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor	
Aluminium oxide	1344-28-1				

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Aluminium oxide	1344-28-1			



SDS No: PHC-133 EU

Page 10 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### SAFETY DATA SHEET

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#### 12.2 Persistence and degradability

No data is available on the product itself.
 Contains the following chemicals which are not readily biodegradable: Aluminium oxide.

#### 12.3 Bioaccumulation potential

: The product itself has not been tested.

#### 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.

#### 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 may contain hazardous residues. 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



Telephone: 044 (0) 1494 455 400

SDS No: PHC-133 EU

Page 11 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

## SAFETY DATA SHEET

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

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	$\bigotimes$
EU ADR/RID Classification Code	Not applicabl	e.	'		
EU ADR / RID Hazard Identification Number	Not applicab	le.	·	-	
ADR/RID Additional information	Not classified a road and rail.	as dangerous for conveyance in the meaning of the re	gulations for the tran	sport of da	ngerous goods I
ICAO/IATA	None.	Not regulated.	not regulated	none	$\otimes$
ICAO/IATA Additional information	None.	!			
IMDG	None.	Not regulated.	not regulated	none	$\otimes$
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. Avoid release to the environment.

### 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



SDS No: PHC-133 EU

Page 12 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### **SAFETY DATA SHEET**

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: 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 2012/18/EU (Seveso III) 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:

None of the components are specifically listed.

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) 2020/878].

Follow national regulation for work with chemical agents.

German legislation on water endangering substances AWSV: Water contaminating class (Germany): not water endangering (self classified)

#### 15.2 Chemical safety assessment

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



Page 13 of 14

THERM-A-GAP™ GEL30 (XTS-8030) SDS No: PHC-133 EU

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### **SAFETY DATA SHEET**

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

**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

IATA: International Air Transport Association

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, CCInfoWeb Databases

3. European Chemicals Agency, Classification Legislation

4. OECD - The Global Portal to Information on Chemical Substances

Preparation Date (dd/mm/yyyy)

: 19/11/2019

Reviewed Date SDS (dd/mm/yyyy)

: 17/06/2025

Revision No. : 5

Revision Information : 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY /

**UNDERTAKING** 

Regulation and Procedure :

Not applicable.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



SDS No: PHC-133 EU

Page 14 of 14

THERM-A-GAP™ GEL30 (XTS-8030)

SDS Revision Date (dd/mm/yyyy): 17/06/2025

**Revision No.: 5** 

### **SAFETY DATA SHEET**

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

#### Prepared for:

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77 Dragon Court
Woburn, MA, USA 01888
Telephone: 001-781-935-4850
http://www.parker.com

Direct all enquiries to Parker Hannifin.



### Prepared by:

ICC The Compliance Center Inc. http://www.thecompliancecenter.com



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