

**THERM-A-GAP T630**

Product code(s): T630

**SDS Preparation Date (dd/mm/yyyy): 05/06/2009**

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## SAFETY DATA SHEET

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

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product Name** : **THERM-A-GAP T630**  
**Product Code(s)** : T630  
**Application** : Thermally conductive, form-in-place, gap filler.  
Use pattern: professional use.

**Supplier's name and address:**

**Parker Hannifin Ltd., Seal Group**

Chomerics Division Europe  
Unit 6 Century Point  
Halifax Road  
High Wycombe  
Bucks, HP12 3SL  
United Kingdom

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

**Emergency Telephone Number** : 001-352-323-3500 (INFOTRAC - U.S.)

### 2. HAZARDS IDENTIFICATION

White paste. No odour.

Most important hazards:

This preparation is not classified as dangerous according to Directive 1999/45/EC.

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. This product is a cured silicone material. The ingredients of this mixture are encapsulated within the silicone mixture, therefore no exposure to these materials is expected during normal use/handling of this product. Prolonged or repeated contact with skin may cause irritation in some cases. Prolonged exposure may cause eye irritation.

Environmental precautions: Avoid release to the environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation: Cured silicone (Resin).

The following substances shall be indicated according to legislation:

<u>Ingredients</u>	<u>CAS #</u>	<u>EINECS No.</u>	<u>Concentration</u>	<u>Hazard classification</u>
<b>The following ingredients of this mixture are encapsulated with the silicone mixture:</b>				
<b>Boron nitride (BN)</b>	10043-11-5	233-136-6	<b>&lt; 20%</b>	None assigned. Substances for which there are Community workplace exposure limits.
<b>Aluminium oxide</b>	1344-28-1	215-691-6	<b>&lt; 80%</b>	None assigned. Substances for which there are Community workplace exposure limits.
<b>Disodium oxide</b>	1313-59-3	215-208-9	<b>1.0 - 4.0</b>	F;R14 - C;R35 (self classified)

For the full text of the R phrases mentioned in this Section, see Section 16.

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### 4. 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. 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.
- Eye contact** : Immediately flush eye(s) with plenty of water. When symptoms persist or in all cases of doubt seek medical advice.
- Additional Information** : Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media** : Carbon dioxide (CO<sub>2</sub>); Dry chemical; Alcohol-resistant foam; Water spray.
- Unsuitable extinguishing media** : None known.
- Unusual fire and explosion hazards** : Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; silicon oxides; nitrogen oxides (NO<sub>x</sub>); Boron and compounds; Metal oxides .
- Protective equipment for fire-fighters** : Wear self-contained breathing apparatus and protective suit. Fight fire with normal precautions from a reasonable distance.
- 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.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions** : Do not allow material to contaminate ground water system.
- Methods for cleanup** : Ventilate the area. Prevent further leakage or spillage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Contact the proper local authorities.

### 7. HANDLING AND STORAGE

- Handling procedures** : Ensure adequate ventilation.  
Wear suitable protective equipment.  
Avoid breathing vapors, fumes or dust. Avoid contact with skin and eyes.  
Keep away from heat and sources of ignition.  
Wash thoroughly after handling.
- Storage requirements** : Keep containers tightly closed in a cool, well-ventilated place.  
Keep away from heat.  
Protect against physical damage.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Limits:

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Chemical Name	Exposure Limits	Type	Notes
Aluminium oxide	10 mg/m <sup>3</sup> (TWA)	France (OEL)	None.
	10 mg/m <sup>3</sup> (Inhalable dust); 4 mg/m <sup>3</sup> (respirable dust) (TWA)	Ireland (OEL)	None.
	10 mg/m <sup>3</sup> (TWA)	Spain (OEL)	None.
Boron nitride (BN)	6 mg/m <sup>3</sup> (TWA)	European Union (OEL)	Lithuania
	5 mg/m <sup>3</sup> (TWA); 10 mg/m <sup>3</sup> (STEL)		Romania
	6 mg/m <sup>3</sup> (TWA)	Latvia (OEL)	None.
Disodium oxide	None known.	European Union (OEL)	None.

Ingredient Comments: TWA = time weighted average; STEL = Short term exposure limit; OEL = National occupational exposure limits.

Note: This product is a cured silicone material. The ingredients of this mixture are encapsulated within the silicone mixture, therefore no exposure to these materials is expected during normal use/handling of this product. The above exposure limits are provided for safety reasons.

### Ventilation and engineering measures

: Provide adequate ventilation during application.

### 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. The type of respiratory protection will depend on the conditions of use (see also EN 149).

### Skin protection

: Wear 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.

### Eye / face protection

: Chemical splash goggles are recommended. See also EN 166.

### Other protective equipment

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

### General hygiene considerations

: Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

: White paste.

### Odour

: No odour.

### pH

: No information available.

### Flash point

: > 93.3°C

### Flashpoint (Method)

: No information available.

### Lower flammable limit (% by vol.)

: No information available.

### Upper flammable limit (% by vol.)

: No information available.

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Auto-ignition temperature	: No information available.
Oxidizing properties	: None known.
Explosion data	: Not expected to be sensitive to mechanical impact or static discharge.
Boiling point	: No information available.
Melting/Freezing point	: No information available.
Specific gravity	: 2.25
Solubility	: insoluble
Vapour pressure	: No information available.
Vapour density	: No information available.
Coefficient of water/oil distribution	
	: No information available.
Viscosity	: No information available.
Evaporation rate (BuAe = 1)	: No information available.
Volatiles (% by weight)	: negligible
Volatile organic Compounds (VOC's)	
	: No information available.

### 10. STABILITY AND REACTIVITY

Stability and reactivity	: Stable under normal conditions.
Conditions to avoid	: Avoid heat and open flame.
Materials To Avoid And Incompatibility	
	: Acids; Oxidizing agents.
Hazardous decomposition products	
	: Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; silicon oxides; nitrogen oxides (NOx); Boron and compounds; metal oxides .

### 11. TOXICOLOGICAL INFORMATION

Routes of exposure	: Eye contact; Skin contact; Ingestion; Inhalation.
Signs and symptoms of short-term (acute) exposure	
<i>Inhalation</i>	: None reasonably foreseeable. Fumes from heated product or mists may irritate respiratory tract.
<i>Skin</i>	: None reasonably foreseeable. Prolonged skin contact may cause skin irritation.
<i>Eyes</i>	: None reasonably foreseeable. Prolonged exposure may cause eye irritation.
<i>Ingestion</i>	: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Potential Chronic Health Effects	
	: No hazards resulting from the material as supplied. Prolonged skin contact may cause skin irritation.
Carcinogenicity	: Contains no ingredient listed as a carcinogen.
Reproductive effects	: Contains no ingredient listed as toxic to reproduction..
Mutagenicity	: Contains no ingredient listed as a mutagen..
Teratogenicity	: Contains no ingredient listed as toxic to reproduction..
Other important hazards	: None known.

### 12. ECOLOGICAL INFORMATION

Ecotoxicity	: 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.
Mobility	: The product itself has not been tested.
Persistence	: The product itself has not been tested.

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**Bioaccumulation potential** : The product itself has not been tested.

**Other Adverse Environmental effects**

: None known.




**Water contaminating class (Germany)**

: No information available.

### 13. DISPOSAL CONSIDERATIONS

- 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.

### 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	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.				

### 15. REGULATORY INFORMATION

#### Labelling:

This preparation is not classified as dangerous according to Directive 1999/45/EC. According to present data no classification and labelling is required according to Directives 67/548/EEC or 1999/45/EC.

#### National Regulations:

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1. Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC.
2. Classification according to European directive on classification of hazardous preparations 1999/45/EC.
3. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
4. In accordance with the legislation of the United Kingdom.

### 16. OTHER INFORMATION

**Information Source** : 1. Material Safety Data Sheet from manufacturer.  
2. Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2009.  
3. European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2009.

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

: 05/06/2009  
**R-Phrases (Full Text)** : R14 - Reacts violently with water.  
R35 - Causes severe burns.  
Refer to section 15 for additional R phrases not listed here.

**Prepared for:**

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