

# SAFETY DATA SHEET



Thermoseal Inc.  
2350 Campbell Rd  
Sidney, OH 45365 USA

Date of Issue: June 1, 2015  
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## 1. Material/Preparation and Company Name

1.1 Description of the product:

1.3 Information on the manufacturer:

Trade name: **Sealex**<sup>®</sup>  
Expanded PTFE Joint Sealant

Thermoseal Inc.  
2350 Campbell Rd.  
Sidney, OH 45365

1.2 Application of the product:  
Gasket material for application in bolted  
flanged joints

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## 2. Hazard Identification

Identification of danger: In its form as supplied no hazards known.

## 3. Composition/Information on Components

### 3.1 Chemical Characteristics

Material contents Ingredients	CAS#	% By Weight	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
Polytetrafluoroethylene	9002-84-0	100	15	10

Danger classification not necessary as no dangers are known based on the level of knowledge at the present time.

## 4. First Aid Measures

After inhaling: Not applicable (accordingly see point 6)

After skin contact: Not applicable (accordingly see point 6)

After eye contact: Remove small solid particles and rinse with water approx. 10 min.  
If provoking continues, a doctor must be consulted.

After swallowing: No measures necessarily.

Note for the doctor: Not applicable

## 5. Firefighting Measures

**Suitable extinguishing agent:** Alcohol foam, water, CO<sub>2</sub>, powder extinguishers, foam extinguishers.

**Extinguishing agents which are unsuitable for safety reasons:** Unknown.

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**The following can be produced in case of fire:** hydrofluoric acid, polyfluoroisobutylene, and carbonyl fluoride.

**Special protective equipment:** When Firefighting, breathing apparatus and eye protection have to be worn against dust and fumes and burning polymers.

## 6. Accidental Release Measures

**Precautionary measures related to persons:** Avoid dust formation

**Environmental protection measures:** do not allow to enter sewer, surface or ground water

**Procedure for cleaning:** Use of approved vacuum cleaners with fine dust filters.

### 6.1 Measures in Case of Unintentional exceeding Dust Release

**General Note:** In case of improper use and use which is not in compliance with stipulations e.g. grinding might cause an exceeding amount of fine dust. In this case proper exhausting and filtering is to apply protective respiratory equipment meeting MSHA/NIOSH standards.

**After Inhaling:** Bring to fresh air.

**After skin contact:** Washing with soap.

## 7. Handling and Storage

### 7.1 Handling

Notes on safe handling: Measures for the avoidance of strong dust formation.

Notes on protection against fire and explosion: Material is flammable only through effects of an external flame.

### 7.2 Storage

Requirements on storage rooms and containers: Dry storage rooms. Material should not be stored in the vicinity of the heating as it can become brittle and no longer usable in accordance with stipulations.

Notes on storing together with other products: No restrictions or dangers known.

## 8. Exposure Controls/Personal Protection

### 8.1 Exposure References

See point 7; no further measures necessarily

### 8.2 Personal Protective Equipment for processing

Breathing protection: in case of high fine dust concentrations use personal protective equipment (e.g. fine –dust respirator acc. MSHA/NIOSH standards).

Hand protection: Gloves

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Body protection: Overall

## 9. Physical and Chemical Characteristics

### 9.1. Appearance

Form: firm sheets

Color: Surface: white or black

Odor: gummy

Cut edge: grey

### 9.2 Safety-related data

#### Value/Range

Change in state

not known

Boiling point/Boiling range:

n.a.

Melting point/Melting range:

325-335 °C

Decomposition temp:

over 375°C

Flash point:

not known

pH-Wert:

n.a.

Ignitability of solid material:

not known

Ignition temperature

not known

Self-igniting solid material:

Not self-igniting

Fire-promoting properties:

self-burning

Danger of explosion

None

Explosion limits:

n.a.

Vapor pressure:

n.a.

Density:

0.6 g/cm<sup>3</sup> (at 25°C)

Solubility in water/grease:

insoluble

## 10. Stability and Reactivity

Conditions to be avoided: Open flames and temps exceeding 300°C.

Materials to be avoided: Molten alkali metals, interhalogen compounds.

Dangerous decomposition products: hydrofluoric acid, polyfluoroisobutylene, and carbonyl fluoride.

The following can result in case of fire: see above for decomposition products.

The product is stable under standard conditions.

## 11. Information on Toxicology

Ingestion: Harmful if swallowed.

Eye Contact: May cause irritation

Skin Contact: May cause irritation

Inhalation: Avoid inhalation as it may cause irritation to the upper respiratory tract

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## 12. Information on Ecology

### 12.1 Information on elimination (Persistence and degradability)

Degree of elimination: not known

Persistence: not biodegradable

### 12.2 Mobility and (bio) accumulation potential:

water insoluble.

### 12.3 Ecotoxicological Effects

Not known.

## 13. Notes on Disposal

### 13.1 Product

Recommendation: Comply with local, state and federal law when disposing of material. Do not incinerate unless incinerator is capable of scrubbing hydrogen fluoride and other acidic combustion products.

### 13.2 Contaminated Packaging

Recommendation: Disposal in accordance with the national regulations.

## 14. Information on Transport

### 14.1 Transport/Further Information

No dangers known.

## 15. Regulations

Regulations for dangerous material not applicable.

The product covered by this safety information is classified as an article according to regulation (EG) Nr. 1907/2006 (REACH). In compliance with REACH regulation it is not mandatory to issue material safety data sheets for articles.

Duty to communicate information according to regulation (EG) Nr.1907/2006 (REACH):

The article covered by the present safety information does not contain any substance of very high concern by the candidate list to be included in Annex XIV of REACH exceeding the limit of 0.1% (w/w).

Material conforms to the definitions and restrictions given by the European Parliament Directive 2002/95/EC (RoHS) and the Council of January 27, 2003 and European Parliament Directive 2011/65/EU (RoHS 2) and the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

This product does not contain PFOA (perfluorooctanoic acid)

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**16. Other Information**

The data rely on the present conditions of the knowledge and experiences and serve to describe the product regarding safety precautions which can be met. They do not represent a warranty of the product described by characteristics.

**Contact person**  
Mr. Paul Francis Quality and Technical Manager

**Revision state:** 01

Revision/Modification	Point / Sheet	Date