

SAFETY DATA SHEET



Thermoseal Inc.
2350 Campbell Rd
Sidney, OH 45365 USA

Date of Issue: June 1, 2015
Page 1 of 5

1. Material/Preparation and Company Name

1.1 Description of the product:

Trade name: **Sealex[®]**
Expanded PTFE Joint Sealant

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

1.3 Information on the manufacturer:

Thermoseal Inc.
2350 Campbell Rd.
Sidney, OH 45365

Contact: Quality Manager – Paul Francis
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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 ³)	ACGIH TLV (mg/m ³)
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, CO₂, powder extinguishers, foam extinguishers.

Extinguishing agents which are unsuitable for safety reasons: Unknown.

SAFETY DATA SHEET	Page 2 of 5
Thermoseal Inc Sidney, OH USA	Product Trade Name: Sealex®

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

SAFETY DATA SHEET	Page 3 of 5
Thermoseal Inc Sidney, OH USA	Product Trade Name: Sealex®

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 ³ (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

SAFETY DATA SHEET	Page 4 of 5
Thermoseal Inc Sidney, OH USA	Product Trade Name: Sealex®

12. Information on Ecology

12.1 Information on elimination (Persistency and degradability)

Degree of elimination: not known

Persistency: 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)

SAFETY DATA SHEET	Page 5 of 5
Thermoseal Inc Sidney, OH USA	Product Trade Name: Sealex®

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