



SAFETY DATA SHEET

1. Identification of the Substance/Preparation and Company/Undertaking

Material: Turcon®
Trade name: Turcon®
Supplier: Trelleborg Sealing Solutions Americas
Address: 2531 Bremer Drive
Fort Wayne, IN 46803

Revision Date: 04.30.2018

Synonyms: Polytetrafluoroethylene and additives

In an emergency call CHEMTREC @ 800-424-9300

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200:
This material is not hazardous under criteria of the Federal OSHA Hazard Communication Standard (29CFR 1910.1200)

No GHS Hazard Symbol required

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Wt. %</u>
Polytetrafluoroethylene	9002-84-0	NA

All ingredients not identified are considered proprietary. This product as a whole, as shipped, is nonhazardous. If this product is overheated, it can liberate decomposition products that are harmful if inhaled.



4. First Aid Measures

Eye Contact: Immediately flush with plenty of water for at least 15 minutes and have eyes examined and treated by medical personnel.

Skin Contact: Wash material off the skin with plenty of soap and water. If redness, itching, or burning sensation develops, get medical attention. For thermal burn, cool quickly with water and get medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Remove the person to fresh air. Give oxygen if breathing is difficult. Seek medical attention.

5. Fire Fighting Measures

NFPA:	Health: 1	Flammability: 0	Instability: 0
Fire Extinguishing Media:		Water, Foam, Carbon Dioxide or Dry Chemical	
Special Fire Fighting Procedures:		Self-contained breathing apparatus (SCBA), NIOSH approved, and full bunker gear should be used to enter a confined fire space.	
Unusual Fire and Explosion Hazards:		Combustion products or released gases may include: Carbon monoxide Carbon dioxide (CO ₂) Formaldehyde vapor	
Environmental precautions:		Dike and collect water used to fight fire.	
Other Information:		Potential dust explosion hazard.	

6. Accidental Release Measures

Personal precautions: Remove all sources of ignition. Avoid dust formation. Do not breathe dust.

Environmental precautions: No special environmental precautions required.

Methods for cleaning up: Use mechanical handling equipment.

Wastes for disposal: Disposal must be in accordance with federal, state, and local regulations.

7. Handling and Storage

Protection – fire and explosion

Do not smoke in areas where polymer dust is present. Appropriate measure should be taken to control the generation and accumulation of dust during processing operations.

Material storage

Store in a cool dry place.

Incompatible products

Strong acids, oxidizing agents, polyvinyl chloride



8. Exposure Controls / Personal Protection

OSHA Exposure Limits

Components	TWA
PTFE	1.0 mg/m ³

ACGIH Exposure Limits

Components	Ceiling Limit Value
PTFE	Not Listed

Exposure controls

- Ventilation: Use mechanical methods to control dust when processing. Provide local exhaust to remove decomposition products and control exposure levels.
- Respiratory Protection: Wear NIOSH approved respiratory protection if potential exists for irritation of nasal passages due to exposure to dust or vapors.
- Eye Protection: Safety glasses with side shields must be worn during machining.
- Other clothing and equipment: Avoid contact with the skin. Wear chemical-resistant gloves and other clothing as required minimizing skin contact.
- Work practices, hygienic practices: Launder contaminated clothes before wearing. Do not smoke or eat where this material is being used. Wash hands before smoking, eating or going to the bathroom.

9. Physical Chemical Properties

Appearance:	Greenishe solid	Specific Gravity	2.15
Odor:	Slight	Melting Point or Range (°F):	NA
Vapor Density (air = 1):	NA	Ignition Temperature ASTM D1929 (°F):	968-1068
Solubility in Water:	Insoluble	Vapor Pressure:	NA



10. Stability and Reactivity

Stability:	Stable
Condition to avoid:	Temperature above 500°F – harmful fumes. Fumes generated above 800°F may cause death. Avoid Strong oxidizing agents
Incompatibility (materials to avoid):	Strong oxidizing agents.
Hazardous Combustion / Decomposition Products:	Formaldehyde, dangerous fluorocarbon vapors(above 800°F).
Hazardous Polymerization:	Will not occur.

11. Toxicological Information

Potential health effects

Routes of exposure Skin, eyes, inhalation, ingestion.

Immediate effects

Skin	Polymer particles may cause mechanical irritation. The molten product can cause serious burns.
Eyes:	Resin particles, like other inert materials, are mechanically irritating to eyes
Inhalation:	Overheating in processing may generate hazardous, irritating vapors. Dust irritating to respiratory tract.
Ingestion:	Low toxicity by this route is expected based on the biological activity of high molecular weight polymers.
Other:	Formaldehyde, which is a degradation product, is listed as a potential cancer hazard by OSHA, a known human carcinogen by The International Agency for Research on Cancer (IARC, Group 1), and is listed in the 12th Report on Carcinogens (RoC) released by The National Toxicology Program (NTP). Formaldehyde should not pose a risk if exposures are kept below the OSHA Permissible Exposure Limit.

Toxicological data is not available. When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

12. Ecological Information:

Biodegradability: This material is considered to be non-biodegradable.

13. Disposal Consideration

If this material becomes a waste, place in appropriate disposal facility in compliance with local and federal regulations. Do not incinerate. Discarded product is not a hazardous waste under RCRA 40 CFR 261.



14. Transport Information

Transport: This material is not a hazardous material for purposes of shipping per DOT or IATA.

15. Regulatory Information

TSCA Status: All of the individual ingredients in this compound are listed on the TSCA Inventory.

16. Other Information

Revision Date: 9/16/2016

Revision: 1st

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