MATERIAL SAFETY DATA SHEET

TOMBO\# 9082 Naflon Seal Tape (PTFE Thread Seal Tape) Green Oxygen Tape

1. Chemical Product and Company Identification

   Product Identification
   General Use: joint for screws, sealing for bolts or nuts for almost all fluid.
   Product Description: A tape shape material made of Polytetrafluoroethylene (PTFE)

Manufacturer:
   Section in Charge: Environmental Control Section/Technical Divisions
Importer: Seal Tape, Inc.
Address: P.O. Box 2683 Palos Verdes, CA 90274
Telephone number for information: (800)533-5646 USA (310)519-8783
Emergency telephone number: same as above

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>Wt%</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polytetrafluoroethylene (PTFE)</td>
<td>9002-84-0</td>
<td>90-100</td>
<td>not estab.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>not estab.</td>
</tr>
<tr>
<td>Key: TLV = ACGIH2009, 8hr, time weighted average (TWA)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL = OSHA1994 permissible exposure limit</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Hazard Identification

   Emergency Overview:
   Non hazardous under recommended condition of handling.
   Caution! The fumes produced when heated at high temperature are toxic.

   Exposure to
   Thermodegradation products may cause influenza-like symptoms.

   Primary Routes of Entry: not identified
Primary Target Organs: Not identified

Potential Health Effects:

Eye Contact: Non hazardous under recommended condition of handling.

Skin Contact: Non hazardous under recommended condition of handling.

Molten material: can cause severe burns

Inhalation: Unlikely to be hazardous by inhalation unless heated. The fumes produced when heated at high temperatures are toxic. Exposure to thermal degradation products may cause influenza-like symptoms.

Ingestion: Not identified

Carcinogenicity: Polytetrafluoroethylene is classified as IARC GROUP 3 (not Classifiable as its carcinogenicity to humans).

4. First Aid Measures

Inhalation: Not likely to be inhaled due to physical form. For processing fume inhalation irritation, leave contaminated area and breathe fresh air. If coughing, difficult breathing or any other symptoms develop, get medical attention.

Ingestion: Not likely route of exposure.

Skin Contact: If contact with molten product occurs treat as for thermal burn. Do not try to peel melted polymer from the skin. Get medical attention promptly.

Eye Contact: If contact with molten product occurs, remove lenses at once. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention.

Note to Physician: Treat symptomatically.

5. Fire Fighting Measures

Flammable Properties: Non-flammable

Extinguishing Media: use that which is appropriate for the surrounding fire.

Fire Fighting Procedures: Persons exposed to thermal decomposition products of this material should wear self-contained breathing apparatus. Full protection equipment, and also gloves made of chloroprene rubber. Unusual Fire and Explosion Hazards: Fluorocarbon polymers are non-flammable in air and will not propagate flame. However, under high temperature they can yield toxic particles, fumes, and gases. In case of fire, escape to the windward.
6. Accidental Release Measures
   Clean-up Procedures: Not applied
   Personal Precautions: Not applied

7. Handling and Storage
   Handling: Do not use over service temperature (260° C). In case product is used over (260° C).
   Ventilate well and do not inhale thermodegradation products.
   Keep away from heat and sources of ignition.

8. Exposure controls, Personal Protection
   Airborne Exposure Limits: See section 2 Composition/information on Ingredients
   Engineering Controls: Not required under recommended condition of handling.
   When use above 260° C, toxic fumes will be produced from thermal degradation and/or decomposition of fluorocarbon polymers and therefore proper ventilation equipments shall be installed and used.
   Personal Protective Equipment:
   Eye/Face Protection: not required under recommend condition of handling.
   Skin Protection: not required under recommend condition of handling.
   Respiratory Protection (specify Type): not required under recommend condition of handling.

9. Physical and Chemical Properties
   Appearance and Odor: Solid, tape-shape, green, no odor
   Boiling Point: not available
   Melting Point: 372° C
   Vapor Pressure: Not applicable
   Vapor Density: Not applicable
   Evaporation Rate: Not applicable
   Solubility in Water: Insoluble
   pH: not applicable
   Density (apparent density):
   Service Temperature: up to 260° C
10. Stability and Reactivity

Chemical Stability: Non hazardous under recommended condition of handling.

Condition to Avoid: Do not use for Gas Sealing.

Incompatibility with other materials: may react with molten alkali such as metal sodium, and fluorine at high temperature and pressure.

Hazardous Decomposition Products: Above 260°C this product thermally degrades at a rate dependent on the temperature, releasing materials.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute and Chronic health Hazard: No acute and chronic hazard under recommended conditions of storage and handling. Neither acute nor chronic effects are likely.

Inhalation: Unlikely to be hazardous by inhalation unless heated.

The fumes produced when heated at high temperatures are toxic. Exposure to Thermodegration products may cause influenza-like symptoms.

Eye Contact: no hazardous under recommended condition of handling.

Skin Contact: no hazardous under recommended condition of handling

Molten material can cause severe burns.

Ingestion: Not identified.

Special Hazard Information: Unheated fluorocarbon polymer product is inert, and there are no known instances of health hazard, when handling the unheated product. When heated at high temperature, it will thermally degrade, decompose, and produce toxic fumes. Inhalation of such fumes will cause “Polymer Fume Fever”, which has symptoms very similar to influenza and can include headache, cough, fever, chills, and chest discomfort. The symptoms do not occur until several hours after exposure and may pass within 36 to 48 hours, even in absence of treatment.

Carcinogenicity: Polytetrafluoroethylene is classified as IARC Group 3 (not classified as its carcinogenicity to humans).
12. Ecological Information
Ecological testing has not been conducted on this product.

13. Disposal Information
Do not incinerate.
Comply with all federal, state, and local requirements.

14. Transportation Information
Follow all regulations in your country.
International Dangerous Good Information:
IMO: not regulated as dangerous goods according to the IMDG CODE
ICSO: Not regulated as dangerous goods according to the IACO Technical Instructions.

15. Regulatory Information
Follow all regulations in your own country.

16. Other Information
1. ACMIH 2009 Threshold limit Value for Chemical Substances and Physical Agents (2009)
3. “Teflon” PTFE FLUOROCARBON RESIN, ALL GRADES LISTED ON PL0016126” MSDS, Canada Centre of Occupational Health and Safety:
4. Guide to the Safe handling of Fluoropolymer Resins 3rd edition:
This material Safety Data Sheet conforms to the requirements of ANSI Z400.1.

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Seal Tape, Inc. Importer. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Seal Tape, Inc. Importer assumes no legal responsibility for use of or reliance upon this information.