

Safety Data Sheet

Issue Date :November 2015 ISSUED by UNASCO

Product Name **THREADING SEALING TAPE**

1. Identification

GHS Product THREADING SEALING TAPE
Identifier Company Name UNASCO PTY LTD
Address 1 Amax Avenue Girraween N.S.W. 2145 Australia
Telephone/Fax Number
Non Emergency # Tel 800 713 4589 Fax 707 238 1419
Emergency # **Unasco Pty Ltd CCN710993**
Recommended use **CHEMTREC (USA & Canada) 800 424 9000 International: +1 703 741 5970**
Sealing threads

2. Hazard Identification

Classification of the substance or mixture Not classified as Hazardous according to the Globally Harmonized System of Classification and labeling of Chemicals (GHS).

3. Composition/information on ingredients

Information on Composition This product contains the following ingredients:
-Polytetrafluoroethylene
-Distillates (petroleum) hydrotreated light
-Pigment

Name	CAS	Proportion
Ingredients determined not to be hazardous		100%

4. First-aid measures

Inhalation Not considered a potential route of exposure. However, if inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion Unlikely due to form of product. However, if ingested, do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye contact First Aid Not considered a potential route of exposure. However if in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
Eyewash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information

5. Fire-fighting measures

Suitable extinguishing media Use carbon dioxide, dry chemical or foam.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, hydrogen fluoride and oxides of nitrogen.
Combustible. This product will readily burn under fire conditions.

Specific hazards arising from the chemical Decomposition Temp. Not available

Precautions in connection with fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapors or fumes. Water spray may be used to cool down heat-exposed

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containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment and clothing to prevent exposure. Collect the material and place into a suitable labeled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.
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7. Handling and storage

Precautions for Safe Handling	Avoid exposure. Use only in a well ventilated area. Keep containers tightly closed. Prevent the build up of dusts, mists or vapors in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated area, out of direct sunlight. Ensure that storage conditions comply with applicable local and national regulations.
Handling Temperatures	Recommended operating temperatures: -260°C (-436°F) to +260°C (500°F)
Storage Temperatures	Store below 260°C (500°F).

8. Exposure controls/personal protection

Occupational exposure limit values	Exposure limits for decomposition products are given below:																		
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Substance</th> <th colspan="2">TWA</th> <th colspan="2">STEL</th> <th>NOTICES</th> </tr> <tr> <td></td> <th>ppm</th> <th>mg/m³</th> <th>ppm</th> <th>mg/m³</th> <td></td> </tr> </thead> <tbody> <tr> <td>Hydrogen fluoride</td> <td>3</td> <td>2.6</td> <td>-</td> <td>-</td> <td>Peak Limitation</td> </tr> </tbody> </table>	Substance	TWA		STEL		NOTICES		ppm	mg/m ³	ppm	mg/m ³		Hydrogen fluoride	3	2.6	-	-	Peak Limitation
Substance	TWA		STEL		NOTICES														
	ppm	mg/m ³	ppm	mg/m ³															
Hydrogen fluoride	3	2.6	-	-	Peak Limitation														
	TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five day week.																		
	STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour workday.																		
	Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.																		
Biological Limit Values	No biological limits allocated.																		
Appropriate engineering controls	Use with good general ventilation.																		
Respiratory Protection	None required, when used as intended.																		
Eye Protection	None required, when used as intended.																		
Hand Protection	None required, when used as intended.																		
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended.																		

9. Physical and chemical properties

Appearance	Solid polymeric film
Color	White
Odor	Odorless
Decomposition Temperature	Not available

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Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	2.1
PH	Not applicable
Vapor Pressure	Not applicable
Vapor Density (Air=1)	Not available
Evaporation Rate	Not available
Odor Threshold	Not available
Viscosity	Not applicable
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable
Flammability	Not flammable
Auto-Ignition Temperature	Not self igniting
Explosion Limit Upper	Not applicable
Explosion Limit Lower	Not applicable

10. Stability and reactivity

Reactivity	Reacts with incompatible materials.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat and sources of ignition. Temperatures >260°C (500°F) without adequate ventilation.
Incompatible Materials	Strong oxidizing agents. Alkali metals, extremely potent oxidizers e.g. fluorine, chlorine tri-fluoride, 80% NaOH or KOH, metal hydrides such as boranes (e.g. B ₂ H ₆) aluminium chloride, ammonia, certain amines (R-NH ₂) imines (RH-NH) and 70% nitric acid at temperatures near 260°C (500°F). Do not use on oxygen lines.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, hydrogen fluoride and carbon dioxide. Carbonyl fluoride is the main decomposition product formed when PTFE is subjected to extended exposure at normal sintering temperatures (400°C). Carbonyl fluoride is immediately converted to highly corrosive hydrogen fluoride in the presence of moist air.
Possibility of hazardous reactions	Reacts with incompatible materials.

11. Toxicological Information

Toxicology information	No toxicology data available for this product.
Ingestion	No toxicity was observed in male/female rats fed PTFE (up to 25%) for 90 days. Local sarcomas were induced in mice and rats implanted subcutaneously or intraperitoneally with PTFE. However, this is not considered relevant to normal industrial usage. Ingestion unlikely due to form of product. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Inhalation	No adverse effects expected. The material is not normally an inhalation hazard at temperatures below 260°C (500°F) as it remains an inert solid. However, exposure to thermal degradation products at temperatures above 260°C (500°F) or fumes from tobacco contaminated with particles of the product may result in polymer fume fever or influenza-like symptoms (chills, headaches, difficulty in breathing and fever). Symptoms may appear several hours after exposure but will disappear within

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Skin	24-48 hours. There are exposure standards for decomposition products. May be irritating to skin. The symptoms may include redness, itching and swelling.
Eye	Eye contact may cause mechanical irritation. May result in mild abrasion.
Respiratory sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	Not expected to be a skin sensitizer.
Germ cell	Not considered to be a mutagenic hazard.
Mutagenicity Carcinogenicity	Polytetrafluoroethylene is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC). Not considered to be toxic to reproduction.
Reproductive Toxicity	
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not considered to be an aspiration hazard.
12. Ecological information	
Ecotoxicity	No ecological data are available for this material.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Other Adverse Effects	Not available
Environmental Protection	Prevent this material entering waterways, drains and sewers.
13. Disposal considerations	
Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
14. Transport information	
Transport Information	Road and Rail Transport Not classified as Dangerous Goods. Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
IMDG Marine pollutant	No
15. Regulatory information	
Regulatory Information	Not classified as Hazardous according to the Globally Harmonized System of Classification and labeling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	Not Scheduled

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16. Other Information
