Safety Data Sheet

Infosafe No™ LQ3HB | Issue Date October 2019 | ISSUED by MILL-ROSE

Product Name **Blue Monster PTFE Thread Seal Tape**

1. Identification

GHS Product Identifier	Blue Monster PTFE Thread Seal Tape
Company Name	Mill-Rose
Address	7310 Corporate Blvd Mentor, Ohio 44060 USA
Telephone/Fax Number	Tel: (440)9746730 Fax: (440)2551072
Recommended use of the chemical and restrictions on use	Industrial tape.

2. Hazard Identification

Classification of the substance or mixture	Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations , Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

3. Composition/information on ingredients

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

Ingredients	**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	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.
First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone: Australia 131 126) or a doctor.

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 .
Specific hazards arising from the chemical	Combustible. This product will readily burn under fire conditions.
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 vapours or fumes. Water spray may be used to cool down heat-exposed

containers . Fight fire from safe location. This product shouldbe 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 labelled 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.

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 vapours 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 incom patabilities: 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 Storage Temperatures: Recommended operating temperatures: -260°C to +260°C Store below 260°C.

8. Exposure controls/personal protection

Occupational exposure limit values: No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for decomposition products are given below:

Safe Work, Australia Exposure Standards:

Substance	TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³	NOTICES
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 Eye Protection: None required, when used as intended.

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

Colour: Blue

Odour: Odourless

Decomposition Temperature: Not available

Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	2.1
pH	Not applicable
Vapour Pressure	Not applicable
Vapour Density (Air=l)	Not available
Evaporation Rate	Not available
Odour 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 without adequate ventilation.
Incompatible Materials	Strong oxidising agents. Alkali metals, extremely potent oxidisers e.g. fluorine , chlorine tri-fluoride, 80% NaOH or KOH, metal hydrides such as boranes (e.g. B2H6) aluminium chloride, ammonia, certain amines (R-NH2) imines (RH-NH) and 70% nitric acid at temperatures near 260°C. 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.
	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	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 as it remains an inert solid. However, exposure to thermal degradation products at temperatures above 260°C or fumes from tobacco contaminated with particles of the product may result in polymer fume fever or influenza-like symtoms (chills, headaches, difficulty in breathing and fever)
	Symptoms may appear several hours after exposure but will disappear within

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 Skin Sensitisation	Not expected to be a respiratory sensitiser. Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Polytetrafluoroethylene is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).
Reproductive Toxicity STOT· single exposure	Not considered to be toxic to reproduction. Not expected to cause toxicity to a specific target organ.
STOT-repøted 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 according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition). 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. No
IMDG Marine pollutant	

15. Regulatory information

Regulatory Information	Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as a Scheduled Poison accord ing to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	Not Scheduled

16. Other Information

Date of preparation or last revision of SDS	SDS Created: October 2019
Literature References	Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens , restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH). Globally Harmonised System of classification and labelling of chemicals. ...End Of MSDS...