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| Infosafe No™ LQ3HB | Issue Date : July 2014 | ISSUED by MILL-ROSE |
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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 | <u>Name</u> | <u>CAS</u> | <u>Proportion</u> |
|-------------|------------------------|------------|-------------------|
| | Ingredients determined | | 100% |
| | not to be hazardous | | |

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

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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 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 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 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 | | 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

Colour Blue

Odour Odourless

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 |
| Vapour Pressure | Not applicable |
| Vapour Density (Air=1) | 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

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| 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. B ₂ H ₆) aluminium chloride, ammonia, certain amines (R-NH ₂) 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

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| 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. |
| Inhalation | Ingestion unlikely due to form of product. Ingestion of this product may irritate the gastric tract causing nausea and vomiting. 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 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 sensitiser. |
| Skin Sensitisation | 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. |
| STOT-repeated exposure | Not expected to cause toxicity to a specific target organ. |
| Aspiration Hazard | Not expected to cause toxicity to a specific target organ. |
| | Not considered to be an aspiration hazard. |

12. Ecological information

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| 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

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| Disposal Considerations | The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. |
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14. Transport information

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| 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

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| 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 according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). |
| Poisons Schedule | Not Scheduled |

Safety Data Sheet

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16. Other Information

Date of SDS Created: July 2014

**preparation or last
revision of SDS**

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...

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