



# Safety Data Sheet

## 1. Product Identification

|                  |  |      |  |
|------------------|--|------|--|
| Product Name     | Flexible Polyurethane Foam (with and without backing film) |      |  |
| Chemical Family  | Flexible Polyurethane                                      |      |  |
| Foam Grade       | 1570   |      |  |
| Chemical Name    | Finished Goods   |      |  |
| Emergency Number | (02) 9832 0848   |      |  |
|                  | HMIS   | NFPA |  |
| Health           | 0  | 0    |  |
| Flammability     | 1  | 1    |  |
| Reactivity       | 0  | 0    |  |

## 2. Hazardous Ingredients

The product is inert under normal conditions, however, if ignited, it will burn rapidly, consuming oxygen and producing toxic combustion by-products at high rates. It is classified as a flammable solid by 16CRF1500.44.

## 3. Physical Data

|                      |   |
|----------------------|---|
| Appearance           | Solid   |
| Colour               | Will vary with the addition of pigments   |
| Odour                | Negligible – fully reacted polymer<br>Some polyurethane foams may contain flame retardant additives which are not reacted |
| Specific Gravity     | Will vary with type of foam   |
| Bulk Density         | Will vary with type of foam   |
| Solubility in Water  | Insoluble   |
| % Volatile by Volume | Trace Amount  |

## 4. Fire and Explosion Data

|  |   |
|--|---|
| Flash Point  | Solid Material >93°C  |
| Extinguishing Media  | Water, Foam, Dry Chemical   |
| Special Fire Fighting Procedures/Unusual Fire or Explosion Hazards | Full emergency equipment with a self-contained breathing apparatus and full protective clothing should be worn by all fire fighters. During a fire, irritating vapours and toxic gasses will be generated; product may melt, producing flammable liquids. |

## 5. Health Effects Data

No adverse health effects have been observed. Human experience indicates no irritation upon skin contact with polyurethane foam.

## 6. First Aid

|            |  |
|------------|--|
| Eyes       | Irrigate immediately with water for at least 5 minutes. Mechanical effects only. Seek medical attention. |
| Skin       | No adverse effects anticipated with incidental or proper handling.                                       |
| Inhalation | Remove to fresh air, seek medical attention.   |

## 7. Personal Protection

Safety glasses are recommended when cutting foam. Adequate ventilation and/or respiratory protections is recommended when cutting or shaping foam with a hot wire, or when flame laminating.

## 8. Reactivity Data

|                                  |  |
|----------------------------------|--|
| Stability                        | Stable   |
| Polymerization                   | Will not occur   |
| Incompatibility                  | (Materials to avoid) – None<br>(Conditions to avoid) – Extreme heat sources – light bulbs, sparks and open flames  |
| Hazardous Decomposition Products | Burning polyurethane foams produce toxic decomposition products which are not significantly different from those of other nitrogen containing polymers. Such as wool, leather, nylon and ABS. The major toxicants are carbon monoxide, oxides of nitrogen, hydrogen cyanide, hydrogen halides phosphorous compounds and other irritants. |

### 9. Spill Procedures

|  |  |
|--|--|
| Steps to be taken in case Material is spilled or released: | Collect as normal combustible waste.             |
| Waste Disposal   | Conform to local, state and federal regulations. |

### 10. Transportation

|                |               |
|----------------|---------------|
| DOT Regulation | Not Regulated |
| FAA Regulation | Not Regulated |

### 11. Special Precautions

Maintain adequate sprinkler protection where foam is stored. See your fire insurance carrier for specific recommendations. URETHANE FOAM WILL BURN. Do not expose urethane foam to open flames, burning cigarettes, space heaters, naked lights, or other sources of intense heat. If ignited, urethane foam will burn rapidly, consuming oxygen quickly and producing toxic gases.



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