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**SECTION V – HEALTH HAZARD DATA**

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- PERMISSIBLE EXPOSURE LEVEL: See Section II.
- PRIMARY ROUTES OF EXPOSURE: are processing vapors by inhalation; neither skin nor ingestion are known to be routes of exposure
- EFFECTS OF OVEREXPOSURE  
ACUTE: heat processing at or above the decomposition point may release the products discussed in Section Six including the isocyanate MDI which may result in irritation of the respiratory tract and eyes, chest tightness, coughing, headache, and dyspnea. Sensitization with subsequent asthma-like attacks may follow.

**CHRONIC:**

Carcinogenicity: NTP?: No IARC Monographs?: No OSHA Regulated?: No

Signs and Symptoms of Exposure: processing vapors above the melting point may cause irritation of respiratory tract, eyes, and skin; processing temperatures at or above the decomposition point may release products including MDI which may cause irritation of the respiratory tract, eyes, skin, chest tightness, coughing, headache, and dyspnea.

Medical Conditions Generally Aggravated by Exposure: none known

**Emergency and First Aid Procedures:**

- INHALATION: of vapors, remove to fresh air. If breathing has stopped, restore breathing and get medical attention.
- SKIN CONTACT: if hot molten polyurethane contacts skin, flush immediately with water and seek medical attention for thermal burn.
- EYE CONTACT: Flush with water for at least 15 minutes. If irritation develops or persists consult a physician.

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**SECTION VI – REACTIVITY DATA**

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STABILITY: [ ] Unstable [ X ] Stable

HAZARDOUS POLYMERIZATION: [ ] May occur [ X ] Will not occur

- INCOMPATIBILITY:  
None known
- CONDITIONS TO AVOID:  
None known, but avoid heating to temperatures above 250 degrees C.
- SPECIFIC HAZARDS:  
Carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, aliphatic and aromatic hydrocarbons, including MDI (methylene bisphenyl isocyanate) may be created during incomplete combustion.

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**SECTION VII – SPILL OR LEAK PROCEDURES**

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- **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**  
Sweep up and place in properly marked container.
- **WASTE DISPOSAL METHOD**  
Dispose of in accordance with all local, state and federal regulations.
- **Other Precautions:**  
None known

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**SECTION VIII – SPECIAL PROTECTION INFORMATION**

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- **RESPIRATORY PROTECTION**  
For processing above the melting point, NIOSH approved, supplied air respirators should be used not required for normal ambient use.
- **VENTILATION**  
Local Exhaust: when melt processing to remove vapors exhaust hoods should maintain a minimum of 100 fpm face velocity.
- **PROTECTIVE GLOVES**  
Recommended when handling hot product
- **EYE PROTECTION**  
Safety glasses or face shield
- **OTHER PROTECTIVE EQUIPMENT**  
If allergic to polyurethane, use impermeable clothing whenever possible to prevent skin contact
- **Work/HYGENIC PRACTICES**  
Maintain good personal hygiene as standard good work practice

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**SECTION IX – REGULATORY INFORMATION**

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- **SARA TITLE III SECTION 313**  
Not applicable based on article exemption
- **PROPOSITION 65**  
WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: None
- **PROPOSITION 65**  
WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None

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**SECTION X – DISCLAIMER**

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