



**Section V – Reactivity Data**

|  |                |   |   |
|--|----------------|---|---|
| Stability  | Unstable       |   | Conditions to Avoid<br>Strong oxidizing agent; excessive heating  |
|  | Stable         | X |   |
| Incompatibility ( <i>Materials to Avoid</i> )<br>Strong oxidizing, alkalis and acids, phenols, urea, oxides, isocyanates, caustics, anhydrides |                |   |   |
| Hazardous Decomposition or Byproducts<br>Formaldehyde gas, carbon monoxide and carbon dioxide  |                |   |   |
| Hazardous Polymerization   | May Occur      |   | Conditions to Avoid<br>Non-hazardous polymerization may occur at low temperatures causing the formation of paraformaldehyde, a white solid. |
|  | Will Not Occur | X |   |

**Section VI – Health Hazard Data**

|   |                    |                  |                       |
|---|--------------------|------------------|-----------------------|
| Route(s) of Entry:  | Inhalation?<br>Yes | Skin?<br>Yes     | Ingestion?<br>Yes     |
| Health Hazards ( <i>Acute and Chronic</i> )<br>May cause respiratory irritation. Skin & Eye: Liquid and vapor may cause irritation. Ingestion: Toxic  |                    |                  |                       |
| Carinogenicity:<br>Formaldehyde is probably carcinogenic to humans on the basis of animal evidence. Listed by ACGIH as an A2 industrial substance suspect of carcinogenic potential for man. OSHA does not currently regulate formaldehyde as a carcinogen.                             | NTP?               | IARC Monographs? | OSHA Regulated?<br>No |
| Signs and Symptoms of Exposure<br>Irritation of respiratory tract, eyes and skin.   |                    |                  |                       |
| Medical Conditions Generally Aggravated by Exposure<br>Repeated skin exposure may cause dermatitis or other allergic reactions.   |                    |                  |                       |
| Emergency and First Aid Procedures<br><b>SKIN:</b> Wash with soap and water for 15 minutes. <b>EYES:</b> Wash with water for 15 minutes. <b>INHALATION:</b> Remove to fresh air. <b>INGESTION:</b> Seek medical attention. Seek medical attention if any of the above symptoms persist. |                    |                  |                       |

**Section VII – Precautions for Safe Handling and Use**

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| Steps to Be Taken in Case Material is Released or Spilled<br>Ventilate area of spill. Eliminate all sources of ignition. Remove non-essential personnel. Wear proper protective equipment and clothing. Absorb material with suitable absorbent and place in appropriate container for disposal. Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. |
| Waste Disposal Method<br>Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.   |
| Precautions to Be Taken in Handling and Storage<br>Store at room temperature in a dry, well-ventilated place. Keep specimen container tightly closed when not in use. Wash thoroughly after handling.  |
| Other Precautions<br>Do not get in eyes, on skin, or on clothing. Do not ingest. Even those containers that have been emptied will retain product residue and vapors. Obey hazard warnings and handle empty containers as if full. Do not cut, grind, weld or drill on or near this container.   |

**Section VIII – Control Measures**

|   |  |                |  |
|---|--|----------------|--|
| Respiratory Protection ( <i>Specify Type</i> )<br>Normal classroom use with adequate ventilation does not require the use of special respiratory protection. If use conditions generate formaldehyde fumes above the OSHA regulations, use of a respirator is required. |  |                |  |
| Ventilation   | Local Exhaust                              | Special        |  |
|   | Mechanical<br>Mechanical room ventilation. | Other          |  |
| Protective Gloves   | Gloves are recommended.                    | Eye Protection | Chemical goggles unless a full-face piece respirator is also worn. It is generally recognized that contact lenses may contribute to the severity of an eye injury. |
| Other Protective Clothing or Equipment<br>Long sleeved shirt, trousers, and safety shoes.   |  |                |  |
| Work/Hygienic Practices<br>Eye wash station and safety showers should be available in the immediate vicinity of any potential exposure.   |  |                |  |

**FOR ADDITIONAL INFORMATION**  
**Contact Ranaco's Safety Manager during business hours at (520) 790-7737**

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