

## Hazardous Waste Determination and Characterization Form (HWDC)

Name of Experiments/Research/Process \_\_\_\_\_

Dept.: \_\_\_\_\_ Course # \_\_\_\_\_ Type of work (course work, research, etc.): \_\_\_\_\_

Name of Person conducting waste characterization: \_\_\_\_\_

Date: \_\_\_\_\_

1. Does the waste contain any un-reacted chemicals (neat or diluted) or products of reactions that are on the P list? (This waste is highly regulated and must be kept separate from other hazardous waste.) If yes include CAS#: _____	Yes	No	
<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	
2. Does the waste contain any un-reacted chemicals (neat or diluted) or products of reactions that are on the U, F, or D lists? If yes, which list(s) _____ If yes, CAS# for those chemicals: _____	Yes	No	
<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	
3. Does the waste contain any carcinogen, or potential carcinogen (e.g. Ethidium Bromide)? Refer to section 11 of the SDS or other relevant sources.	Yes	No	
<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	
4. Does the waste react with water or aqueous acids to generate flammable or toxic gases, vapors, or fumes? (Examples: Alkali metals, phosphides, sulfides, cyanides). Refer to section 5 and 10 of the SDS or other relevant sources.	Yes	No	
<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	
5. Does the waste have a pH less than or equal to 5.5 or greater than or equal to 9.5? Refer to section 5 and 10 of the SDS or other relevant sources.	Yes	No	
<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	
6. Can the waste be ignited? (Aqueous solutions with greater than 24% alcohol; liquids with a flash point <140 F, 60 C; liquids such as diesel fuel, acetone, toluene.) Refer to section 5 of the SDS or other relevant sources.	Yes	No	
<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	
7. Does the waste contain oil with greater than 1000 ppm total halogens. Refer to section 3 of the SDS or other relevant sources.	Yes	No	
<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	<input style="width: 40px; height: 30px;" type="checkbox"/>	

<p>8. Can the waste readily stimulate the combustion of organic matter? (Solid state oxidation agents such as nitrate, chlorates permanganate, inorganic peroxides.) Refer to section 5 and section 10 of the SDS or other relevant sources.</p>	<p>Yes</p> <p><input type="checkbox"/></p>	<p>No</p> <p><input type="checkbox"/></p>
<p>9. Is the waste capable of detonation or explosive reaction if subjected to an initiating source or heat under confinement? Does it undergo explosive decomposition, polymerization or self-reaction at standard temperature and pressure? (e.g. solid sodium nitrate, potassium periodate) Refer to section 5 and section 10 of the SDS or other relevant sources.</p>	<p>Yes</p> <p><input type="checkbox"/></p>	<p>No</p> <p><input type="checkbox"/></p>
<p>10. Is the waste a two component substance either of which is hazardous, and when mixed forms a hazardous substance? (e.g. Some epoxies and polymers)</p>	<p>Yes</p> <p><input type="checkbox"/></p>	<p>No</p> <p><input type="checkbox"/></p>
<p>11. Is the waste dangerous to the environment? Is it toxic to aquatic organisms? Is it expected to significantly bio accumulate? Refer to section 12 of the SDS or other relevant sources.</p>	<p>Yes</p> <p><input type="checkbox"/></p>	<p>No</p> <p><input type="checkbox"/></p>

If you answered “yes” to any item above, you must manage this as a hazardous waste. If you answered “no” to **all questions**, the waste does not need to be treated as a hazardous waste. Please contact the Bucknell’s Environmental Health & Safety department if you still have questions.

Please forward completed forms to EH&S department.

Written by: Carol Pavlick  
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