The table below lists those liquid scintillation fluids (cocktails) which are acceptable for use at the University of Michigan.

<table>
<thead>
<tr>
<th>Cocktail Name</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ready Safe</td>
<td>Beckman</td>
</tr>
<tr>
<td>Scintisafe 30%</td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>Scintisafe Plus 50%</td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>Scintisafe Econo F</td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>Scintisafe Econo 1</td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>Scintisafe Econo 2</td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>Scintiverse Gel</td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>BCS</td>
<td>GE Healthcare (Amersham)</td>
</tr>
<tr>
<td>In-Flow 2:1</td>
<td>IN/US Systems, Inc.</td>
</tr>
<tr>
<td>BetaMax ES</td>
<td>MP Biomedicals (ICN)</td>
</tr>
<tr>
<td>CytoScint ES</td>
<td>MP Biomedicals (ICN)</td>
</tr>
<tr>
<td>Ecolite (+)</td>
<td>MP Biomedicals (ICN)</td>
</tr>
<tr>
<td>EcoLume</td>
<td>MP Biomedicals (ICN)</td>
</tr>
<tr>
<td>UniverSol ES</td>
<td>MP Biomedicals (ICN)</td>
</tr>
<tr>
<td>Ecoscint H</td>
<td>National Diagnostics</td>
</tr>
<tr>
<td>Ecoscint O</td>
<td>National Diagnostics</td>
</tr>
<tr>
<td>Beta Plate Scint</td>
<td>Perkin Elmer (Wallac)</td>
</tr>
</tbody>
</table>

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<tr>
<th>Cocktail Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Formula 989</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>MicroScint O</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>MicroScint 20</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Opti-fluor</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Opti-fluor O</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>OptiPhase HiSafe 2</td>
<td>Perkin Elmer (Wallac)</td>
</tr>
<tr>
<td>OptiPhase SuperMix</td>
<td>Perkin Elmer (Wallac)</td>
</tr>
<tr>
<td>Ultima Gold</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Ultima Gold AB</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Ultima Gold F</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Ultima Gold MV</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Ultima Gold XR</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Ultima Flo AF</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Ultima Flo AP</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Ultima Flo M</td>
<td>Perkin Elmer (Packard)</td>
</tr>
<tr>
<td>Bio-Safe II</td>
<td>Research Products Intl.</td>
</tr>
<tr>
<td>Bio-Safe NA</td>
<td>Research Products Intl.</td>
</tr>
<tr>
<td>Econo-Safe</td>
<td>Research Products Intl.</td>
</tr>
</tbody>
</table>

Although these liquid scintillation fluids are considered to be "biodegradable" and "environmentally safe", please remember that they still present a disposal concern. Scintillation fluid wastes should only be disposed of through OSEH Hazardous Material Management (HMM). Call HMM at 763-4568 to request a waste collection or if questions arise.

Note that manufacturers may make a family of scintillation cocktails with very similar names, but very different properties, making one an approved cocktail and its cousin an unapproved cocktail. Be very careful when ordering and using scintillation cocktails. Ensure that the proper scintillation cocktail is recorded on your LLRW Waste manifest also.

If you using, or plan to use, a scintillation cocktail that is not on the approved list please contact RSS (764-6200) or HMM (763-4568) immediately. Temporary authorization may be granted to use a non approved scintillation cocktail. Additional handling and processing steps are required of the laboratory to ensure proper disposal of non approved scintillation cocktails.