Model Assessment
CHEMICAL HAZARD AND RISK ASSESSMENT

School/Dept: Health and Safety Unit
Assessor: Dr. F.J. Young
Assessment Number: 3
Date of Assessment: rev. 6.5.05

Note: Guidance on making an assessment is given in Making a Chemical Hazard and Risk Assessment. Guidance is also available from Guidance on Completing the Chemical Hazard and Risk Assessment Form. Use a continuation sheet to expand any section of this form. A Word document template for this form is available from the Health and Safety Unit.

1. LOCATION OF THE WORK ACTIVITY
   Health and Safety Unit, Room S254, Metallurgy Building

2. PERSONS WHO MAY BE AT RISK
   List names where possible
   FJ Young, GA Zabierek, B Davies, H Janewska

3. ACTIVITY ASSESSED
   Storage of Highly Flammable Liquids

4. MATERIALS INVOLVED
   Attach copies of data sheet(s)

<table>
<thead>
<tr>
<th>NAME and CAS NUMBER</th>
<th>AMOUNT and FORM</th>
<th>HAZARD</th>
<th>RISK PHRASES</th>
<th>REPORTABLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>As stock list (attached)</td>
<td>25 litre</td>
<td>Highly flammable</td>
<td>Highly flammable</td>
<td>Harmful by inhalation</td>
</tr>
</tbody>
</table>

   If substance is reportable, have you reported it to the Health and Safety Unit? YES/NO (see Note 4)

5. INTENDED USE
   Give brief details and attach protocol/instructions
   Laboratory bin store - in accordance with UHSP/15/HS/00 Schedule 5 and Good Chemical Practice
   UHSP/15/HS/00 Schedule 3.1

6. RISKS to HEALTH and SAFETY from INTENDED USE
   From personal exposure or hazardous reactions. Refer to OELs, flash points, etc., as appropriate. Are pregnant women, breast-feeding mothers especially at risk?
   None under normal conditions of storage
   Risks of ignition and exposure to harmful vapours if an emergency involves bottle breakage.

7. CONCLUSIONS ABOUT RISKS
   Is level of risk acceptable? Can risk be prevented or reduced by change of substance/procedure? Are control measures necessary?
   Risks adequately controlled
8 CONTROL MEASURES
Additional to Good Chemical Practice
As per UHSP/15/HS/00 Schedule 5

9 INSTRUCTION/TRAINING
Specify course(s) and/or special arrangements.
Laboratory Chemical Safety Courses

10 MONITORING
Performance of control measures, Not applicable
Personal exposure Health Surveillance
Not applicable Not applicable

11 WASTE DISPOSAL PROCEDURE
Not applicable to storage, otherwise as non-halogenated waste solvent in accordance with UHSP/15/HS/00 Schedule 7.1

12 REVIEW
Enter the date or circumstances for review of assessment (maximum review interval 5 years) Annual

13 EMERGENCY ACTION
TO CONTROL HAZARDS
Spillage: Shut off all possible sources of ignition
Contain liquid
Ventilate
Fire: Extinguish with dry powder, carbon dioxide or vaporizing liquid

TO PROTECT PERSONNEL
Evacuation, protection for personnel involved in clean-up, Special First Aid
Keep people away from danger area
Protective equipment: nitrile rubber gloves, coverall, canister respirator type A filter
First aid: standard procedure (Laboratory Chemical Safety manual)

TO RENDER SITE OF EMERGENCY SAFE
Clean-up/decontamination
If practicable, decant into suitable container
Absorb residue onto inert absorbant and transfer to a sealed container using spark-proof tools.
Wash site of spillage with dispersing agent and plenty of water.
Ventilate thoroughly

14 EMERGENCY CONTACT
NAME Dr F.J. Young
PHONE 45252