CHEMICAL HAZARD RISK ASSESSMENT FORM

Faculty of Science, Macquarie University.

A risk assessment must be carried out by EACH person for EVERY HAZARDOUS CHEMICAL used. Each chemical needs a separate form. Consult and read the Material Safety Data sheets before completing. If no MSDS is available go to H. tick 4

PLEASE PRINT CLEARLY

Substance Name: _____________________________________________ Date of Assessment ________________

CAS No __________________________________ UN No ______ DG Class______ PG No_____

Risk Phrases (list in full include code)
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

Safety Phrases (list in full include code)
___________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

Summary of process/method ___________________________________ Quantity used in procedure ___________

Assessed by (PRINT your name) _____________________________________________ Ph EXT ____________

A. Concentration Used ______________________________________ (A concentration cut off level for a substance represents a level [expressed as a percentage on a weight/weight basis] at above which that substance must be considered hazardous)

Is the concentration above level listed as hazardous? (as listed in Designated Hazardous Substances .www.nohsc.gov.au Hazardous Substances Information System) YES ☐ Go to B NO ☐ Go to I tick 1

B. Dangerous Goods Class Labeling
All products must be labeled in accordance with regulations.

(i) Which (if any) Dangerous Goods Class does the substance belong?
□ 3(Flammable) □ 4( Flammable solid) □ 5(Oxidizing) □ 6(Toxic) □ 8(Corrosive) □ (Other)

(ii) Has the product been decanted? YES ☐ NO ☐ Go to C
If YES then has it been labeled in accordance with regulations? YES ☐ Go to C NO ☐ Go to I tick 3

C. Method of Use and Exposure Risks.

Is the chemical used in way in which fumes, gases or dust particles are given off? YES ☐ NO ☐

Are any of the following, Eyes, Skin, Inhalation, or Ingestion an exposure risk? YES ☐ NO ☐

Is the substance a Carcinogen or a Mutagen or a Teratogen? YES ☐ NO ☐

If you answered yes to any question in C then go to D. If you answered NO to all, go to E

D.1 Protective controls

Is it necessary to work in fume hood? YES ☐ Go to D2

Is it necessary to wear suitable protective clothing, gloves or eye/face protection? YES ☐ Go to D2 NO ☐ Go to I tick 3
D. Are all these protective controls readily available, clean and functional? YES □ go to E  NO □ Go to I tick 3

E. First Aid
What first aid measures should be taken in case of an accident involving this chemical?
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

F. Spills
What steps should be taken in the event of a spill of this chemical?
________________________________________________________________________
________________________________________________________________________

Are the required resources and facilities in place? YES □ Go to G  NO □ Go to I tick 3

G. Training
What training been given in the correct handling of this substance?
________________________________________________________________________

Are you satisfied you understand the hazards involved in the use of this chemical?
YES □ Go to H  NO □ Go to I tick 3

H. Disposal
What are the disposal methods?
________________________________________________________________________

Are the required resources and facilities in place? YES □ Go to I  NO □ Go to I tick 3

I. RISK ASSESSMENT CLASSIFICATIONS (Tick appropriate Risk Class box)

1. □ Risks are not significant and are not likely to increase.
2. □ Risks are significant but are effectively controlled.
3. □ Risks are significant and are not adequately controlled.
4. □ There is insufficient information to assess risk and level of exposure.

Select 1. if you are using a concentration less than which is considered hazardous or no precautions are required.
Select 2. if you are satisfied that adequate controls are in place.
Select 3. if you answered anywhere where you answered ‘NO go to I 3’
Select 4. if you are uncertain about risks, and no MSDS is available.

If you select 3. or 4, the chemical MUST NOT be used, until the risk can be reduced to 1. or 2.
If risk/s cannot be reduced then protocol may have to be changed or an alternative chemical found.

ASSESSMENT APPROVAL: I am satisfied that the risks are not significant and/or adequately controlled.
Assessor’s signature ___________________________ Date ___/___/___

Supervisor Name (Print) _______________________ Signature. _______________________ Date ___/___/___