**Sulfuric Acid**

1. What GHS classifications are applicable to sulfuric acid?

Corrosive to metals, skin corrosion, serious eye damage

1. Select the correct methodology:

\_\_\_\_ Add water to sulfuric acid \_\_ \_\_ Add sulfuric acid to water

1. Sulfuric acid is \_\_ \_\_ carcinogen \_\_\_\_\_ mutagen \_\_\_\_\_ teratogen
2. What is the ACGIH exposure limit for sulfuric acid? 3 mg/m3
3. List the prohibitions for disposal:

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

1. What is the signal word for sulfuric acid? Danger
2. Describe first aid for sulfuric acid in the eyes:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

1. What is the pH of sulfuric acid as supplied? 1.2
2. What kind of gloves would be appropriate for handling sulfuric acid?

Fluorinated rubber Minimum layer thickness: 0.7 mm

**Cobalt (II) Chloride Hexahydrate**

1. Characterize the health hazard posed by CoCl2 hexahydrate: Danger
2. What kinds of containers would you use for CoCl2 hexahydrate? Tightly closed and dry

What kinds of containers would NOT be appropriate? Beakers, containers without lids

1. Is CoCl2 hexahydrate more soluble in :

\_\_\_\_ Cold water \_\_ \_\_ Hot water

1. What GHS classifications are applicable to CoCl2 hexahydrate?

Acute toxicity, respiratory sensitization, skin sensitization, germ cell mutagenicity, carcinogenicity, reproductive toxicity

1. Describe first aid for skin contact with CoCl2 hexahydrate:

Wash off with soap and plenty of water. Consult a physician.

1. How would you decontaminate empty CoCl2 hexahydrate containers prior to disposal?

Dispose of container to an approved waste disposal plant.

1. Describe the fire risk associated with this compound:

None, but there are risks in fighting fires where CoCl2 hexahydrate is present.

1. What is the pH of a 1% solution of CoCl2 hexahydrate? 7
2. Describe the ecological risks associated with CoCl2 hexahydrate: Very toxic to aquatic life