**Confirmation of SMOU Review and Understanding.**

Chemical Name: Picric Acid

SMOU Document Title: SMOU Picric Acid (2,4,6, trinitrophenol)

I confirm that I have read and understood the Safety Method of Use (SMOU) associated with Picric Acid. I acknowledge the hazards, safe handling procedures, emergency protocols, and control measures outlined in the document.

I understand my responsibilities in ensuring the safe use, storage, and disposal of this chemical in accordance with the SMOU and relevant workplace procedures.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Knowledge Assessment Quiz.**

Safe Storage Requirements: What is the minimum percentage of water required to safely store picric acid?

a) 10%

b) 20%

c) 30%

d) 40%

Hazards of Dry Picric Acid: Why should picric acid never be allowed to dry?

a) It loses effectiveness

b) It becomes a shock-sensitive explosive

c) It becomes non-toxic

d) It evaporates quickly

Proper Protective Gear: What type of gloves are recommended when handling picric acid?

a) Latex gloves (0.13 mm thickness)

b) Rubber gloves (0.10 mm thickness)

c) Cotton gloves (0.15 mm thickness)

d) Nitrile gloves (0.11 mm thickness)

Handling Dry Containers: What should you do if you find a container of dry picric acid?

a) Open it carefully

b) Add water immediately

c) Move it to a safe location

d) Contact the Hazards & Containment Manager

Inspection Frequency: How often should picric acid containers be inspected for water levels?

a) Every month

b) Every three months

c) Every six months

d) Every year