
KOH SDS Activity Assessment

Participant Guide

Introduction

The purpose of this assessment is to test your knowledge of the information provided in a SDS for the chemical compound KOH. This assessment should be taken after completing the KOH SDS Activity.

Below are ten questions.

1. What is does the chemical compound, KOH stand for?
 - a. Sodium peroxide
 - b. Hydroxide
 - c. Potassium hydroxide
 - d. Peroxide
2. If KOH gets in the eyes, what steps should be followed?
 - a. Nothing, KOH does not harm the eyes
 - b. Briefly rinse eyes with water
 - c. Contact lab manager and wait for his/her response
 - d. Get medical aid at once and immediately flush eyes with water for 15-20 minutes.
3. Which of the following statements is TRUE about KOH?
 - a. Highly reactive
 - b. Incompatible with water
 - c. Has a low flashpoint
 - d. Stable under normal condition
4. In case of skin contact with KOH, which of the following is NOT recommended.
 - a. Immediately flush skin with water for at least 15 minutes.
 - b. DO NOT flush irritated skin. Cover immediately with an emollient.
 - c. Get medical attention immediately.
 - d. All of the above.
5. Which of the following properties do NOT apply to KOH.
 - a. Flammable
 - b. Caustic
 - c. Toxic if swallowed
 - d. Non-combustible

6. Which of the following lists of Personal Protective Equipment (PPE) is required when working
 - a. Safety glasses and nitrile gloves
 - b. Chemical splash goggles and nitrile gloves
 - c. Chemical splash goggles, face shield, rubber apron, chemical gloves
 - d. Chemical splash goggles, face shield, rubber apron, chemical gloves and respirator

7. What odor would one smell when working around KOH?
 - a. Citrus
 - b. Rotting eggs
 - c. Sulphuric
 - d. No odor

8. What are the routes of entry for KOH?
 - a. Absorbed through skin
 - b. Inhalation
 - c. Ingestion
 - d. All of the above

9. What is the “chemical family” of KOH?
 - a. Alkali metal
 - b. Transition metal
 - c. Halogen gas
 - d. Noble gas

10. What section of the SDS would you find the information needed if KOH were ingested?

Support for this work was provided by the National Science Foundation's Advanced Technological Education (ATE) Program.