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# KOH SDS Activity Assessment

## Instructor Guide

### Note to Instructor

The KOH Activity Assessment tests the learner's knowledge and skill on extracting and interpreting the information on a KOH Safety Data Sheets. It is recommended that this assessment be used as a post-test after the KOH activity

This KOH Activity Assessment is one of two assessments of the Safety Data Sheets Learning Module.

- SDS Knowledge Probe
- SDS Primary Knowledge
- SDS Activity
- SDS Activity for KOH
- **SDS Assessment for KOH Activity**
- SDS Final Assessment (assesses knowledge and skill in locating, interpreting and applying the information on a SDS)

### 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

*c. KOH is the chemical compound **Potassium Hydroxide**, or sometimes referred to as potash.*

2. If KOH gets in the eyes, what steps should be followed?
- Nothing, KOH does not harm the eyes
  - Briefly rinse eyes with water
  - Contact lab manager and wait for his/her response
  - Get medical aid at once and immediately flush eyes with water for 15-20 minutes.

*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?
- Highly reactive
  - Incompatible with water
  - Has a low flashpoint
  - Stable under normal condition

*d. Stable under normal condition*

4. In case of skin contact with KOH, which of the following is NOT recommended.
- Immediately flush skin with water for at least 15 minutes.
  - DO NOT flush irritated skin. Cover immediately with an emollient.
  - Get medical attention immediately.
  - All of the above.

*b. DO NOT flush...*

5. Which of the following properties do NOT apply to KOH.
- Flammable
  - Caustic
  - Toxic if swallowed
  - Non-combustible

*a. Flammable (KOH is NOT flammable)*

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

*c. Chemical splash goggles, face shield, rubber apron, chemical gloves*

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

*d. KOH is odorless*

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

*d. KOH can enter the body through all of the above routes of entry.*

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

*a. KOH is an alkali metal*

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

***First Aid Measures***

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