

Meet Our Trainer:



**En. Khairuddin
B. Mohd Piah
CEng, MIChemE
TTT 4952**

- 40 substantial years of experience in technical and operating oil refining and chemicals business .
- A Chartered Engineer and a Member of the Institution of Chemical Engineers UK.
- Expert in process safety management, operational excellence improvement, behavioral safety (RCA & Causal Factors).
- DOSH-registered CIMAH Regulations Competent Person (OKMH 171).

Training experiences:

- ✓ OIMS Assessment for Assessors
- ✓ Safety in Process Design
- ✓ Operating Procedures
- ✓ Process Safety Aspects
- ✓ Felt Leadership Workshops
- ✓ Process Safety Leadership Workshops
- ✓ IChemE Fundamentals of Process Safety
- ✓ Process Safety Management Training
- ✓ PHA/HAZOP Training



Course Fee:
RM 1,800.00/pax
(exclude SST 8%)
SBL Khas Serial
No: 10001264259

**10 CEP
POINTS**

Scan to Register



(THE ENVIRONMENTAL SPECIALIST WITH MS ISO 9001:2015 & ISO 14001:2015 CERTIFICATIONS).

Safe Operations Training: Hazardous Chemicals – Laboratory Safety Training on Mercury, Sulfuric Acid and Caustic Soda

Hazardous chemicals pose safety and health risks to employees in the workplace. They are termed as hazardous either because they are toxic, flammable, highly reactive or explosive.

Mercury is a liquid metal which is hazardous to human health and equipment integrity. Inhalation of mercury vapor can harm human nervous, digestive and immune systems, lungs and kidneys and may result in fatality. Mercury cause severe corrosion, stress cracking, metal embrittlement, catalyst poisoning etc. leading to catastrophic failure of the equipment and the plant machinery. The use of Mercury in laboratory amounts in well-ventilated areas is generally safe. However, a spill of mercury in the lab has to be handled properly to avoid long-term health effects. Mercury is a known CARCINOGEN.

Sulfuric Acid is a clear, colorless to brown, odorless liquid. It is used in making storage batteries, fertilizers, paper products, textiles, explosives, pharmaceuticals and in steel and iron production. It is a strong oxidising agent and commonly used in laboratory testing methods. It is corrosive, and inhalation of Sulfuric Acid vapors can irritate and damage the lungs. Sulfuric acid is a CARCINOGEN.

Caustic Soda (Sodium Hydroxide) is a clear, odorless liquid commonly used in detergents and cleaning chemicals. It is alkaline, corrosive and causes severe skin burns and eye damage on contact. It is an acid neutralizer and commonly used in lab testing methods and procedures .

Learning Outcomes:

- ✓ Understand what hazardous chemicals are
- ✓ Understand the properties of Mercury, Sulfuric Acid and Caustic
- ✓ Understand the health and safety risks of Mercury, Sulfuric Acid & Caustic in the lab
- ✓ Understand concepts of First Aid for Mercury, Sulfuric Acid and Caustic exposure
- ✓ Understand concepts of Emergency Response for the 3 chemicals

Methodologies:

- Lecture
- Professional coaching & guidance
- Group discussions
- Question & answer sessions
- Group problem-solving

Who Should Attend:

- Laboratory Managers, Supervisors and Technicians, Safety Personnel
- Engineers and Early-career Professionals
- HR and anyone who would like to develop an understanding of hazardous materials

Course Content:

DAY 1

- Introduction:
 - Definitions of Hazardous Chemicals/Materials
 - Malaysian Laws & Regulations on Hazardous Chemicals
- Hazards Recognition & Identification Tools
- Hazards & Effects Register
- Laboratory Safety Principles & Procedures

DAY 2

- Mercury (Hg)
 - Properties & Hazards of Hg
 - Exposure limits & Sources of Hg
- Sulfuric Acid (H₂SO₄)
 - Properties & Hazards of H₂SO₄
- Caustic Soda (NaOH)
 - Properties & Hazards of NaOH
- Emergency Response Plan, First Aid Treatment & Safe Storage

*Updated as of October 2023.
Subject to change.

Course Date:

No.	Date*	Location
1.	30 - 31 January 2024	ECRO, Kemaman
2.	08 - 09 May 2024	PLASMA, S2
3.	23 - 24 July 2024	ECRO, Kemaman
4.	16 - 17 October 2024	PLASMA, S2

Airwastewater Management Sdn Bhd (200701021637)
No. 154, Jalan S2 B5, Seremban 2, 70300 Seremban,
Negeri Sembilan DK.

Tel: 06-6013126 Fax: 06-6017127 HP: 011-53303881/882

Email: airwastewater@awwam.com / csd@awwam.com

Website: www.awwam.com

Safety First

Be aware Take care

**REGISTRATION FORM**

Please tick (/) the topics to register, fill-up the selected course date (refer to brochure) and other informations.

REGISTRATION FEE				
Tick (/)	TOPICS	COURSE FEE (PER PAX)	SST (8%)	NET REGISTRATION
<input type="checkbox"/>	Safe Operations Training: Hazardous Chemicals – Hydrogen Sulfide, The Silent Killer (2 Days) SBL Khas Serial No: 10001265227 Course Date & Location (please fill-up) :	RM1,800.00	RM144.00	RM1,944.00
<input type="checkbox"/>	Safe Operations Training: Hazardous Chemicals – Laboratory Safety Training on Mercury, Sulfuric Acid and Caustic Soda (2 Days) SBL Khas Serial No: 10001264259 Course Date & Location (please fill-up) :	RM1,800.00	RM144.00	RM1,944.00
<input type="checkbox"/>	Process Safety: Hazard Identification (HAZID) Training Course (2 Days) SBL Khas Serial No: 10001263863 Course Date & Location (please fill-up) :	RM1,800.00	RM144.00	RM1,944.00
<input type="checkbox"/>	Process Safety Management – Fundamentals for Engineers & Supervisors (3 Days) SBL Khas Serial No: 10001265231 Course Date & Location (please fill-up) :	RM2,700.00	RM216.00	RM2,916.00

Meal Preference:

Non-Vegetarian

Vegetarian

PAYMENT METHOD

<input type="checkbox"/>	Cheque	Pay to	: Airwastewater Management Sdn Bhd
<input type="checkbox"/>	Interbank Giro/Online Banking	Bank	: Affin Islamic Bank Berhad
<input type="checkbox"/>	HRDC SBL-Khas	Bank Account No	: 10-524-000486-8
		Swift Code	: AIBBMYKL
		Company No	: 779652-U
		Please send proof of payment to csd@awwam.com / finance@awwam.com	

APPLICANT'S INFORMATION

Name	:	NRIC	:
Designation	:	HP/Phone No	:
Company Name	:	E-Mail	:

BILLING DETAILS

<input type="checkbox"/>	Self-Sponsored	<input type="checkbox"/>	Company Sponsored
Company Name	:		
Mailing Address	:		
Contact Person	:	Company Stamp:	
Designation	:		
Phone No	:		
E-Mail	:		
Date	:	Authorised Signature :	

TERMS & CONDITIONS

- Fees are inclusive of course materials, meals and refreshments.
- Registration can be made by sending registration form via email to csd@awwam.com or fax to 06-6017127.
- Payment shall be made within 14 days from the date of invoice or at latest 3 days before the course start; OR approved HRD Corp Grant shall be submitted to AWWAM within 14 days from the date of quotation or at latest before the course date.
- Registration of participants will be confirmed upon receipt of full payment OR approved HRD Corp Grant by issuance of confirmation letter by AWWAM.
- Certificate of attendance will be issued upon attendance and completion of the course; and (for SBL-Khas) upon receipt of the signed copy of HRD Corp JD14 form.
- Participant/PIC shall undertake to pay the course fee if payment/Grant claim issue arise for whatever reason within 7 days after completion of the course.
- You have read the terms and conditions above and by signing this form, you expressly agree and consent to the use, processing, disclosure and transfer of your personal data by AWWAM for this registration and future communications including marketing and promotion purpose. Should there be a need to retract your consent, you shall write a notice to AWWAM to cease the processing of the personal data.