

2nd HAZCHEM Conference

- ◆ The Globally Harmonised System (GHS)
- ◆ The Modernisation of Western Australia's WHS Laws
- ◆ Hazardous Chemicals & Dangerous Goods Safety

20th & 21st November 2019

Mercure Hotel, Perth, Western Australia

Your Keynote Speakers



Craig Watt

Globally Harmonised System (GHS) Compliance and Chemical Safety Specialist 20 years experience in Europe Chem-Safe Australia



Richard Greenwood

Chemical Safety Expert - Hazardous chemicals, dangerous goods and the GHS RG Chemical Safety



Vince Pacecca

Chemical management specialist and GHS subject matter expert Chief Scientific Officer ChemAlert and Risk Management Technologies

What You Will Gain From Attending?

- ◆ Hear about the impact that the new WHS Laws will have on chemical management in WA
- ◆ Learn about GHS labels, placarding and health hazard symbols
- ◆ Discuss how the GHS affects storage, transport and dangerous goods management
- ◆ Hear consultation on WHS laws for WA from WorkSafe WA
- ◆ Understand GHS chemical classification and segregation
- ◆ Hear about the recent updates to the GHS in 2019
- ◆ Update your knowledge on the latest regulations and licensing requirements
- ◆ Understand the challenges and discrepancies created by the implementation of the GHS
- ◆ Network with experienced experts and your industry peers
- ◆ Listen to local case studies and auditor's experiences from industry
- ◆ No sales pitches – non-commercial presentations

Who Should Attend?

- ◆ Chemical engineers and managers
- ◆ Occupational Health and Safety (OH&S) managers
- ◆ Dangerous goods and hazardous substances managers
- ◆ Workplace Health and Safety (WHS) specialists
- ◆ Process safety engineers and managers
- ◆ Compliance, legislation and regulation specialists
- ◆ Major hazard facilities employees
- ◆ Emergency response workers
- ◆ Senior regulatory scientists and research chemists

And any operators, supervisors and management who are responsible for the storage, handling, transport, classification, labelling and management of chemicals and dangerous goods in Australia.

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Introduction to the Globally Harmonised System (GHS) and the Modernisation of Western Australia's WHS Laws

The GHS is a United Nations created system for the classification, labelling and safety data sheets (SDS) of chemicals on a global basis. The GHS was formally adopted in WA in 2017 which has changed the risk profile of local chemical management. Additionally in 2008, Australian Governments agreed to harmonise work health and safety laws across the country. WA is now ready to implement their version of the WHS laws which will provide the overarching duties for workplace participants and provide detailed requirements for specific hazards and safe systems of work.

The aim of this conference is to update everyone who comes in contact with hazardous chemicals and dangerous goods on the recent updates to the GHS, the implementation of WA's WHS Laws and how these changes will affect local industry. The conference will cover the consolidation of safety regulation in WA, explore the variety of updates and pre-empt the associated issues. It will provide attendees with the tools to successfully apply these changes and laws to their businesses and ensure they stay legally compliant with Australian and international law and regulations.

Conference Program – Day One

20th November 2019

8.00am Registration

8.25am Opening Address

8.30am Session 1 **KEY NOTE**



Chemical Legislation in Australia

Vince Pacecca - Chief Scientific Officer - ChemAlert and Risk Management Technologies

Safe Work Australia leads the development of national policy to improve work health and safety and workers' compensation arrangements across Australia. It is now time for WorkSafe

WA to regulate and enforce the Workplace Health and Safety (WHS) legislation, parting ways with the 1984 Act and 1996 Regulations. Since its adoption by many States almost 10 years ago, this presentation aims to look at some of the learnings and challenges faced by organisations in trying to comply with the new WHS, particularly as it pertains to Hazardous Chemicals.

9.30am Session 2



Consultation on WHS laws for WA – Implications for the Regulation of Chemicals

Eve Speyers – Principal Scientific Officer/Team Manager, WorkSafe Service Industries and Specialists Directorate, Department of Mines, Industry Regulation and Safety

In this presentation Eve will present on the development of Work Health and Safety legislation for WA, as it relates to hazardous chemicals. The presentation will provide information on the current status of the GHS in WA, the consultation process, and the likely form of future laws.

10.15am Morning Tea

10:45am Session 3



Dangerous Goods and Hazardous Chemical Management – Maintaining the Standard

Phil Ashton – Principal HSE Consultant, Ashton Safety Health Environment

The importance of ensuring that storage and handling systems for dangerous goods and other hazardous chemicals are designed and installed to the highest safety standards is of course important in protection of people, property and environment. The specifics on how to achieve safety in design are well documented in legislation, Australian Standards, other Codes of Practice and Guidelines.

A variety of risk assessment techniques, qualitative and quantitative, have also been used to successfully support safe design, installation and operation of hazardous areas and facilities. Once installed and operational, hazardous facilities need to remain safe and up to standard and there a variety of strategies required to achieve this objective. This presentation is directed at outlining the processes which are available to achieve ongoing high standards related to management of dangerous goods and other hazardous chemicals. It also explores the link between a robust and user-friendly management systems, WHS laws and organisational culture in the successful implementation of strategies which will, if used, "maintain the standard".

11.30am Session 4



In Line of Fire – Confronting HAZMAT and Dangerous Goods at Incidents

Dr Jimmy Seow – Director, ENVIRON

Hazardous Materials (HAZMAT) and Dangerous Goods are used, stored, transported and manufactured by many in various localities in Australia. When they are spilled, emitted or discharged they can impact upon the environment, employees and the public. What decisions need to be made to control and manage the incidents or emergencies especially during the first vital hour of the incident or emergency? Who else needs to be involved? This presentation explores the key things to be done during those first hours such as assessing the risk from the DG and Hazmat at the incidents, provision of informed decision to combat, control and management of the incident, interpreting key SDS data and communicating risks and incident status to stakeholders (including media and the public).

12.15pm Lunch



1.15pm Session 5 **HALF DAY WORKSHOP**



GHS - Back to Basics - Preparing for WA Regulatory Change

Craig Watt – General Manager, Chem-Safe Australia

Although Western Australia has not yet adopted the WHS Regulations, and the Regulation surrounding the GHS system, many companies have prepared for its implementation. The national change to the new Safety Data Sheet Code of Practice meant that new hazards were contained within the document that covered physical, health and environmental hazards and around 95% of SDSs contain the new GHS hazard information. So, whilst WA had not “legally” adopted the WHS Regulations the information was available to all to reset their chemical management systems. In response to companies wanting to “get ahead” we developed a training programme that covered the key aspects of the new system and how that related to both hazardous substances and dangerous goods and how to align with best practice chemical safety. This workshop will deliver the key elements of this programme with examples from local companies who have developed their systems in advance so when the regulation is adopted the change will be a “step” and not a “leap”. Each attendee will receive a copy of our training manual to help understand the start point to the changes and ensure a smooth transition once the regulation is adopted.

Both the WA Health and Safety Regulations (1996) and the Dangerous Goods Storage and Handling (non-explosives) Regulations 2007 have been amended to recognise the GHS system in WA so nothing is stopping organisations moving ahead now.

In addition to delivering the key elements of the course we will show some case studies with leading industry initiatives that have taken the new hazards and communication that the GHS brings. Each had their own points of pressure, but each responded with changes to their chemical management activities – many involving specific training elements.

The workshop will share the following case studies:

- **Blackwoods** – GHS and transport labelling challenges especially labelling versus dangerous goods.
- **Path West Medicine WA** – New health hazard information, risk assessments and how to prioritise managing health hazards via the hierarchy of control.

- **Rio Tinto** – Inspector Training Programmes and getting ready for the date of change.
- **City of Busselton** – Improving safety standards through GHS – herbicides.
- **Victor Chang Cardiac Research** – Managing 500 chemicals under GHS effectively through audits.
- **University of Adelaide** – The three-level approach and “champion” programme of awareness.

We will show that effective transition requires a plan that caters for the end user, to simplify GHS and chemical safety in terms and practices that we can all understand and be ready for the WA regulatory change. It is going to happen – we may not know exactly the date, but we can get our plan in motion.

About the Workshop Presenter

Craig Watt - General Manager, Chem-Safe Australia; Globally Harmonised System (GHS) Compliance and Chemical Safety Specialist.

Craig graduated from Sheffield University in the UK with a degree in Business Studies and joined Dutch Chemical Company Univar on their European Graduate Management Programme – becoming General Manager of their Major Hazard Facilities in London and Widnes.

After 10 years with Univar he became a Regional Director for with German Chemical Company Brenntag, the world’s largest chemical logistics company with 500+ sites globally. Craig was responsible for 5 Major Hazard Facilities in Europe. Craig migrated to Perth in 2008 and set up Chem-Safe Australia Pty Ltd with government sponsorship in 2009 providing nationally accredited training and consultancy in hazardous substances, GHS and dangerous goods.

4.45pm **Closing**

5.00pm **Networking Session Cocktail Hour**

An hour dedicated for all attendees to meet and socialise with experts and industry peers at the 2nd HAZCHEM Conference Cocktail Hour.

Sponsorship Opportunities

Representing your business at the 2nd HAZCHEM Conference in 2019 will provide you the opportunity to reach key decision makers from a multitude of industries.

For more information on sponsorship and exhibition opportunities please contact:

Sarah Montgomery

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8.30am Session 6 **MORNING WORKSHOP**



An Overview of the Mechanics of the GHS System as Adopted in WHS

Richard Greenwood – Lead Consultant and Trainer in Chemical Safety - RG Chemical Safety

In this workshop Richard will delve into the complexities of the GHS system as adopted in WHS covering the following areas of interest:

- GHS Mechanics and Nomenclature: GHS Hazard Class and Category
- GHS vs DG: the same in principle, some differences in practice.
- GHS use of cutoff concentrations, eg Skin Corrosion now adopted by DG e.g. sodium hydroxide
- GHS 3 and beyond
- WHS adoption of GHS – most but not all
- Schedule 11 issues
- Skin Corrosion
- Workplace signage and placarding
- Classification and Labelling confusion – WHS and SUSMP, GHS and DG

10.00am Morning Tea

10.30am Session 7 **CASE STUDY**



Chemical Management from the Auditor's Perspective – A Lack of Understanding in Industry

Stuart Platt – Risk Management Consultant, Auditor/ Assessor, SOS-Switched Onto Safety

As an OSH consultant and auditor Stuart has seen the management of chemicals from every aspect over the last 21 years. Some people and organisations get it right, but many get it wrong! This is due to a lack of safety data sheets (SDS's), poor storage and chemical waste practices, no risk assessment, unskilled staff, nil or poor labelling, no chemical management systems, a disconnect from manager to the 'coal face' and zero or incorrect knowledge of the rules (legislation) regarding hazardous substances management. Stuart will discuss these industry issues including projects he has worked on, safety issues that arose, procedures and technical information, staff training issues and documentation of the main regulation points.

11.15am Session 8 **CASE STUDY**



Chemical Process Safety – Carpe Diem

Daniela Tutman – Principal Consultant, TSR Engineering

Graham Morgan – General Manager SHEC and Training, Hanwha Mining Services Australia



In this fast-paced world, we'd like to complete projects in the most productive way. However, this is not so simple in an industry governed by a myriad of regulations. A project's success depends on the fine art of balancing technical expertise in regulatory compliance, risk assessments, safety in design and management fundamentals. This

presentation aims at addressing the essential steps required to perform and effective tools to embrace the challenges that could arise during the project execution. This will also provide an overview of project experiences and case studies from the explosive manufacturing industry.

12.00pm Lunch

1.00pm Session 9



Combustible Dusts – Mythbusters

Laurentiu Zamfirescu – Lead Safety and Risk Engineer, AMOG Consulting

Combustible dusts often pose a fire and explosion hazard. These materials are commonly used in industry, and have caused significant impact. However their hazardous properties are commonly unknown, improperly managed or overlooked as they do not fall under the scope of Dangerous Goods legislation.

Occupational Safety and Health legislation has no prescriptive requirements and Australian regulators have not published detailed safety guidelines on the subject.

This presentation aims to dispel a number of myths and provide a high level approach to managing hazards associated with combustible dusts.

1.45pm Session 10



Regulatory Reform – Contain, Control, Curtail

Les Vogiatzakis – Principal Consultant, DG&S Services

Change is scary. Regulatory reform can be more like a horror movie... for the regulators and industry alike. And everybody has an Elm Street close by. What are the GHS and WHS impacts to you as a DG&S PCBU? Are MHF operators going

to have problems? What's the difference and how can you tell without blowing your budget? Is there a KISS principle? How do you align your duties with the purse strings of your CFO?

2.30pm Afternoon Tea

3.00pm Session 11 **CASE STUDY**



Implementing GHS into the DG Regulatory Environment in WA – An Accredited Consultant's Perspective

Amanda Wylde – Senior Project Engineer, ACOR Consultants (WA) Pty Ltd

The GHS impacts wide facets of local industry from mining companies and warehousing to the Department of Emergency Response (DFES). The GHS doesn't align directly with DG classification and therefore the DG classification system will be retained for transport and storage. This will challenge current knowledge of DG in workplaces and cause confusion relating to DG placarding and GHS labelling. How do we avoid this confusion? In this presentation Amanda will share some "common misconceptions" and cover a practical approach of how to implement the GHS within the current DG regulatory framework so that the introduction of GHS will be seamless and fit within what industry is currently doing.

3.45pm Session 12 **CASE STUDY**



Hazard Communication via the GHS

Vince Pacecca – Chief Scientific Officer - ChemAlert and Risk Management Technologies

Whilst the Globally Harmonised System (GHS) provides a consistent means of describing the hazards pertaining to hazard chemicals throughout Australia and the globe, true harmonisation remains a constant challenge. This presentation aims to provide a light-hearted look at the weird and wonderful classifications seen on SDSs and labels since the inception of the GHS, and clarification as to why such disharmony continues to transpire.

4.30pm Closing

About the Keynote Presenters



Richard Greenwood

Chemical Safety Expert - Hazardous Chemicals, Dangerous Goods and the GHS, RG Chemical Safety

Richard has been working in chemical safety for over 25 years, and has been working with the GHS since New Zealand adopted a prototype of the system in 2000. He continued to be actively involved in application of the GHS as the purple books were published and applied by Japan, Europe, China and finally Australia and provided public comment on the Work Health and Safety Regulations and Codes of Practice. He was selected by Safe Work Australia to present training to industry on GHS Classification and for the Australian Institute of Occupational Hygienists. He is convenor of the Chemical Hazard Communication Network in Australia, an informal network discussing issues relating to the adoption of the GHS, and application of Work Health and Safety legislation in Australia.



Vince Pacecca

ChemAlert & Risk Management Technologies, Globally Harmonised System (GHS) Compliance and Chemical Safety Specialist

Vince studied a Bachelor of Science majoring in Pharmacology and Biochemistry, with further qualifications in OHS and Hygiene. He is the Chief Scientific Officer at ChemAlert, a software system designed to assist users to manage the risks associated with chemicals stored and used in the workplace. Vince has extensive experience in SDS authoring and in particular has primarily focused on the impacts of the GHS over the past 5 years, not only in relation to SDSs, but also the impact it has on dangerous goods and other areas of safety.

General Information

Confirmation Details

A confirmation email and invoice will be sent to delegates within 3 days of receiving the registration.

Cancellation Policy

A 20% cancellation fee will apply for cancellations received 7 – 14 days prior to the start date of the conference. Cancellations received less than 7 days prior to the start date of the conference are not refundable, however substitutes are welcome.

Venue

Mercure Hotel Perth

10 Irwin St, Perth Western Australia 6000
Phone: (08) 9326 7000

Accommodation

The conference venue has accommodation available. Each conference guest that books direct to the hotel gets 19% off the best available rate of the day. Please note this rate will be based on availability. Please book through our reservations team on (08) 9326 7000 or h1754@accor.com.

Food and Beverages

All lunches, morning and afternoon refreshments are included in your delegate registration.

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02 How Did You Hear About This Event?

Received a brochure in the mail Received an email from IDC

Searched online (Google, Yahoo etc) Recommended by a friend/colleague Magazine advertisement/insert

Other (please specify): _____

03 Registration & Payment Details (NB: prices shown are inclusive of GST)

Total

OPTION 1: Early Bird Discount 10% OFF – Book on or before 23rd October (SAVE \$179.50)

\$1,615.50 x _____ delegates = \$ _____ \$ _____

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